

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

C-O-N-F-I-D-E-N-T-I-A-L

COUNTRY Czechoslovakia

REPORT

SUBJECT Bulletin of the Publishing
House of the Czechoslovak
Academy of Sciences

DATE DISTR. 16 June 1959

NO. PAGES 1 25X1

REFERENCES RD

DATE OF
INFO.

PLACE &
ACO

25X1

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

January - March 1959 issue of the
Bulletin of the Publishing House of the Czechoslovak Academy
of Sciences. The attachment is unclassified when detached
from this covering dissemination.

25X1

25X1

C-O-N-F-I-D-E-N-T-I-A-L

STATE	ARMY	NAVY	AIR	FBI	AEC	OCR	X
(Note: Washington distribution indicated by "X"; Field distribution by "#".)							

INFORMATION REPORT INFORMATION REPORT

Bulletin

JANUARY • MARCH

1959

The delivery of all publications of the Publishing House of the Czechoslovak Academy of Sciences and of the Slovak Academy of Sciences, as well as of all other Czechoslovak Publishing Houses, can be arranged for you through their trade connections by



ARIIA

PRAGUE

Czechoslovakia

Objednávky	Extraneis		
předějte kterékoli prodejné KNIHA n. p. nebo zašlete	liber apud	ARTIA, Praha, ČSR	
přimo prodejné	in Ungaria apud	AKADÉMIAI KÖNYVESBOLT,	
NAKLADATELSTVÍ ČESKOSLOVENSKÉ		Budapest V., Váci utca 22	
AKADEMIE VĚD, Václavské nám. 34,			
Praha 2	prostat		
Odesílá: NAKLADATELSTVÍ ČESKOSLOVENSKÉ AKADEMIE VĚD		Poštovné paušalováno	
PRAHA 2, VODICKOVA 40			

NAKLADATELSTVÍ
ČESKOSLOVENSKÉ
AKADEMIE VĚD

vydává

Spisy Mistra Jana Husi

Magistri Iohannis Hus Opera
omnia

I. Výklad velký – Výklad menší – Výklad
krátký – O svatokupectví

II. Postila – Postila sváteční

III. Drobné spisy

IV. Listy

V. Puncta

VI. Sermones de sanctis

VII. Collecta

VIII. Passio Cristi

IX. Dicta de tempore

X. De tempore

XI. Quadragesimale

XII. Sermones in Betlehem

XIII. Sermones

XIV. Sermones varii

XV. Summa naturalium – Exercitium
rethorice

XVI. Super canonicas – Explicatio I Cor.

XVII. Enarratio psalmorum – Expositio de-
calogi – Expositio super Pater – Super
credo – De quadruplici sensu

XVIII. Super IV Sententiarum

XIX. Questiones – Recommendationes et
positiones

XX. Quodlibet

XXI. Tractatus annorum 1408–1412

XXII. Polemica

XXIII. De ecclesia

XXIV. Constantiensia

XXV. Dubia

SPISY MISTRA JANA HUSI

Československá akademie věd přikročila z usnesení svého prezidia k jednomu z nejčestnějších úkolů, daných české vědě vzhledem ke kulturnímu dědictví a pokrokové tradici českého lidu, k vydávání literárního odkazu Mistra Jana Husi. Na čem pracovaly celé generace historiků dějin národa, jeho jazyka a literatury se zdarem jenom částečným, čemu se tolikrát postavily v cestu nezdolatelé překážky, bude nyní uskutečněno společným úsilím odborníků příslušných pracovišť ČSAV.

Úplné kritické vydání Husova slovesného díla obsáhne v 25 svazcích české i latinské Husovy spisy a jeho dochovanou korespondenci. Editoři přihlédnou ke všem známým a dostupným opisům Husových literárních projevů, opatří je literárně historickým úvodem a poznámkami filologickými a výkladovými.

V prvních čtyřech svazcích dostanou se čtenáři do rukou české práce Husovy, určené vzdělání lidu a jeho utvrzení v úsilí o život spravedlivější a přímější, a v listech doklady Husova dějinně významného zápasu, který pro něho skončil na kostnické hranici.

Svazky V.–XIV. (latinské) zachytí rozsáhlé kazatelské dílo nejlidovějšího kazatele pražské Betlémské kaple, činnost, již se nesmazatelně zapsal do duší svých posluchačů a pomáhal připravovat nástup husitské revoluce.

Husovy vědecké komentáře, zejména ke knihám biblickým a k ideologické učebnici středověké university, k Sentenciím Petra Lombarda, obsáhnou svazky XV.–XVIII.

Ve svazcích XIX.–XX. vyjdou Husovy universitní projevy, většinou filosofického obsahu, ve svazku XXI. theologické traktáty z let 1408–1412.

Polemické spisy, svědčící o Husově snaze postihnout a rozšířit sociální důsledky myšlenky Viklefovy a o jeho směle kritice papežské církve, budou shrnuty do svazků XXII.–XXIII. Závěrečný svazek XXIV. sdruží Husovy práce vzniklé přípravou na kostnický koncil všeho křesťanstva a napsané v kostnickém žaláři v posledních měsících jeho života. Případný svazek XXV. je vyhrazen spisům, u nichž je Husovo autorství sporné.

Po svazku VII., který vychází prací dr. Anežky Schmidtové, vyjdou v nejbližších letech svazky VIII. (vydá dr. A. Schmidtová), XXIV. (vydá doc. dr. A. Molnár), XV., XVII., XXIII., I. a III.

NAKLADATELSTVÍ ČESKOSLOVENSKÉ
AKADEMIE VĚD,
PRAHA 2, VODIČKOVA 40

M. IOHANNIS HUS OPERA OMNIA

Cum praeses summumque collegium Academiae scientiarum Bohemoslovenicae decrevisset, ut scripta M. Iohannis Hus quae supersunt omnia in lucem protraherentur – quo munere nihil fere maius studiis Bohemicis proponitur et vix quicquam honestius in spirituali populi hereditate et in eius traditionibus progressum ostendentibus inveniat – institutorum Academiae, puta Instituti litterarum Bohemarum acque atque Instituti studiis Graecis Romanis Latinis promovendis, communi studio ac labore nunc demum ad finem perducitur opus, in quo quidem multi viri docti historiam linguam litteras nationis Bohemicae investigantes longos per annos summam operam navaverunt, sed tamen tot tantisque impedimentis obruti haud multum profecerunt.

Hussii Operum omnium editio critica omnia eiusdem scripta, tam Bohemica quam Latina, nec non epistolas, quae ad nos pervenerunt, in 25 tomis continebit. In textu Hussii recensendo editores ad omnes libros manu scriptos, in quibus Hussii opera usque ad nostra tempora servantur, spectant, textum ipsum praefationibus res gestas illius temporis nec non litteras illustrantibus inducentes eundemque commentariis philologicis et exegeticis explicantes.

In primis quatuor tomis Bohemica Hussii scripta, quibus populus instruebatur et ad vitam reformandam commovebatur, omnesque eius epistolas et Bohemicas et Latinas nobis servatas, ex quibus elucet, quantum Hus ad historiam Bohemiae valuerit quomodoque in causa Constantiae defendenda mortem subierit, lectores benevoli invenient.

In tomis V.–XIV. (Latinis) sermones Hussii, illustrissimi tunc praedicatoris Pragensis, quibus hic in capella Bethlehemensi mentes populi ad mores totamque christianorum vitam reformandam movebat et in animis auditorum primordia motus hussitici inserebat, comprehenduntur.

In tomis XV.–XVIII. commentaria Hussii praecipue ad libros aliquot Bibliae et ad libros Sententiarum Petri Lombardi, qui pro summo doctrinae compendio ab universitatibus mediaevi habebantur, inerunt, in tomis XIX.–XX. orationes philosophici plerumque argumenti, quas Hus ut magister in universitate Carolina Pragensi tenuit, edentur. Tractatus theologicos a. 1408–1412 ortos tomus XXI. praebebit Polemica Hussii scripta, quae maximi sunt momenti, cum quomodo Hus non solum sententias Viklephi secutus sit, sed eas etiam ad conditiones populi Bohemici transformaverit demonstrant et quam fortiter ac severe curiam papalem castigaverit testimonium dent, tomis XXII.–XXIII. amplectentur.

Commentationes et tractatus, quos Hus Constantiam iturus, post in carcere ultimos vitae menses agens scripsit, quibus concilio suam doctrinam exponeret et se defenderet, in tomo XXIV. congerentur. Dubia et spuria in ultimo tomo XXV. proponuntur. Tomum VII. annis proximis t. VIII., et XXIV. deinde t. XV., XVII., XXIII., I., III. sequentur.

AEDS ACADEMIAE SCIENTIARUM
BOHEMOSLOVENICAE,
PRAHA 2, VODIČKOVA 40

Liber

Objednávám knihu

Magistri Iohannis Hus
SERMONES DE TEMPORE QUI
COLLECTA DICUNTUR
(Opera omnia tomus VII)
68,50 Kčs

ut mihi mittatur peto

Jméno:
Nomen:

Adresa:
Locus:

Datum:

Podpis (razítko) – nominis subscriptio

*

Mám zájem o celou edici a žádám o zaslání
nabídky vždy před vydáním dalšího svazku.
Hussii Opera omnia possidere optans, priusquam
singuli tomi in lucem prodeant, certior fieri
cupio.

Jméno:
Nomen:

Adresa:
Locus:

Datum:

Podpis (razítko) – nominis subscriptio

Bulletin

1959

**PUBLISHING HOUSE
OF THE
CZECHOSLOVAK ACADEMY
OF SCIENCES**

**PUBLISHING HOUSE
OF THE
SLOVAK ACADEMY
OF SCIENCES**

JANUARY - MARCH

PRAGUE

BRATISLAVA

CONTENTS

**Publications of the Publishing House of the Czechoslovak
Academy of Sciences**

Books

Mathematics - Physics - Astronomy	4
Geology - Geography	11
Chemistry	15
Biology	28
Technology	38
History	39
Economics - Law - Philosophy	46
Linguistics-Literary Science	51

Periodicals

Mathematics - Physics - Astronomy	6
Geology - Geography	13
Chemistry	18
Biology	28
Technology	38
History	43
Economics - Law - Philosophy	49
Linguistic - Literary Science	54
Periodicals of the Presidium	57

**Publications of the Publishing House of the Slovak
Academy of Sciences**

Books

Social Sciences	60
Technical Sciences	71

Periodicals

Social Sciences	63
Biological and Medical Sciences	67
Agricultural Sciences	69
Mathematical and Natural Sciences	70
Technical Sciences	73

Sanitized Copy Approved for Release 2010/06/01 : CIA-RDP80T00246A049000450001-8

**PUBLICATIONS
OF THE PUBLISHING HOUSE
OF THE CZECHOSLOVAK ACADEMY
OF SCIENCES**

Sanitized Copy Approved for Release 2010/06/01 : CIA-RDP80T00246A049000450001-8

**MATHEMATICS
PHYSICS
ASTRONOMY**

ČECH Eduard

**Topologické prostory
a dodatky**

L. 80, 526 pp., (Cz), h. c.

Kčs 38,—

This publication consists of 12 sections and, together with two appendices, brings new knowledge in the field of the set topology, in which some remarkable results have been achieved by Czechoslovak scientists. The theory presented in various sections is suitably supplemented by concrete examples and constructions of topological spaces, in order to help the reader in understanding the abstract considerations in the text and enabling him to follow the proofs of the more difficult theorems. — Appendix I: Josef Novák: Construction of some remarkable topological spaces — Appendix II: Miroslav Katětov: Fully normal spaces.

HRUŠA Karel

**10 kapitol z diferenciálního
a integrálního počtu**

*3rd edition. Series Věda všem (Sciences to All), Volume 19, 80, 172
pp., 76 figs in the text, (Cz), p. c.*

Kčs 7,30

This is the third edition (1st ed. 1952, 2nd ed. 1954, Publishing House of the Czechosl. Ac. of Sc.) of a publication, which contains the explanation of some basic conceptions of the differential and integral calculus, and their main properties. It is aimed to be an introduction to the methods of mathematical analysis. The book deals with the following conceptions: functions, limits, derivations, definite integrals, indefinite integrals, composite functions, inverse functions, logarithms, powers. It includes 70 computed examples in the text and 100 examples for practice.

NYKLES Jiří, KÁRNÍK Vít, MOLNÁR Alexej

**Bulletin čs. seismických stanic Praha,
Cheb, Hrubanovo, Práhonice, Bratislava,
Skalnaté Pleso. Ročník 1957**

L. 80, 516 pp., (Cz, F, R), p. c.

Kčs 64,—

Further volume of the annual seismic Bulletins, published by the Geophysical Institute of the Czechosl. Ac. of Sc. It contains checked results of the interpretation of the

**MATHEMATICS
PHYSICS
ASTRONOMY**

Czechoslovak seismic network for the year 1957. The publication also includes the results of the experimental registration of the seismic station Průhonice for the last quarter of 1957. A special chapter contains the results of measurements of the microseismic disturbances in the stations Prague, Cheb, Hrubanovo, Průhonice, Bratislava, Skalná Pleso. In conclusion, data on macroseismic observations on the territory of Czechoslovakia for the year 1957 are given.

**Publikace Astronomického ústavu ČSAV
č. 34—42**

*Publication Series of the
Astronomical Institute of the Czechosl. Ac. of Sc.
No. 34—42*

Edited by the Astronomical Institute of the Czechosl. Ac. of Sc. Scientific Editor Dr. Bohumil Šternberk. L. 8°, 352 pp., 9 figs, 4 suppl. on art paper, (Cz, E, F), p. c. Kčs 34,—

Another volume of the Publications of the Astronomical Institute of the Czechosl. Ac. of Sc., a series initiated in 1925, which contains 9 hitherto unpublished papers of Czechoslovak astronomers. Three of these papers are concerned with the observation of comets, 3 others belong to the field of solar investigation, and the remaining 3 deal with the measurement of zenithal twilight, the expansion and constitution of open clusters, and meteor statistics.

VYSIN Jan

Soustava axiomů eukleidovské geometrie

System of axioms of Euclidean geometry

2nd edition, 8°, 210 pp., 31 figs in text, (Cz), p. c. Kčs 18,90

This is the second, revised edition of the book published in 1952, elaborating axiomatically the classical geometry in a three-dimensional space. Its main aim is to study various equivalent systems of axioms, i. e. the demonstration of various methods of introducing basic conceptions in Euclidean geometry. This publication, which is actually a fundamental textbook, is predominantly characterized by the abundant use of models in order to elucidate abstract geometry as well as to solve some problems, especially those concerning axioms. The subject-matter is so arranged that the logical foundations of geometry in one-dimensional, two-dimensional and three-dimensional spaces are dealt with separately.

**MATHEMATICS
PHYSICS
ASTRONOMY**

PERIODICALS

Aplikace matematiky

Edited by the Mathematical Institute of the Czechosl. Ac. of Sc., Vol. 3—1958, L. 8^o, six issues annually of approx. 80 pp. and 4 pp. suppl., annual subscription \$ 4,80 £ 1,14,0 Rbl 23,— DM 24,36

No. 5 contains (pp. 325—400): J. Polášek: Calculation of the by-pass for blade gratings with thin strongly bent profiles (Cz, r, g) — V. Doležal, J. Kurzweil, Z. Vorel: The Dirac function in non-linear differential equations (Cz, r, e) — J. Čajka: Contribution to the approximate solution of algebraic equations of the third and fourth degree (Cz, r, g) — F. Šubart: Derivation of the most favourable intermediate pressures of a κ -stage compression at suction temperatures differing in the various stages (Cz, r, g) — V. Horálek: The structure of materials (Cz, r, e) — J. Hájek: The theory of ratio estimates (E, cz, r) — Book reviews.

**Бюллетень астрономических институ-
тов Чехословакии
Bulletin of the Astronomical Institutes
of Czechoslovakia**

Edited by the Astronomical Institute of the Czechosl. Ac. of Sc., Annual 9—1958, 4^o, six issues annually of approx. 40 pp., annual subscription \$ 4,0 £ 1,8,8 Rbl 16,— DM 16,80

No. 5 contains (pp. 161—200): F. Janák: Galactic orbits of the Cepheids (E, r) — Zd. Pěkný: Some Notes on the Photometry of the Mt. Palomar Atlas (E, r) — F. Link: Density of the shadow during lunar eclipses (F, r) — V. Letfus, B. Růžicková and Z. Švestka: Catalogue of chromospheric flares observed at Ondřejov during the years 1952—1956 (E, r) — B. Onderlička: A simple method for determining the orbit of a close Earth satellite (R, e) — R. Rajchl: Observations of occultations made at the People's Observatory Prague-Petřín in the years 1954—1957 (E, r) — V. Vanýsek: Observations of occultations of stars made at the University Observatory, Brno, in the years 1956 and 1957 — J. Bouška: Observations of occultations made at the University Observatory Prague in the year 1957 — Review.

No. 6 contains (pp. 201—248): L. Pajdušáková—Mrkosová: Solar asymmetries, VIII (F, r) — L. Perek: Heterogeneous spheroids with Gaussian and exponential density laws (E, r) — L. Perek: Heterogeneous Spheroid with confocal strata (E, r), — J. Grygar: Photometrical parameters of Comet 1957 d (E, r) — Z. Kvíz and J. Mikušek: The luminosity function of telescopic meteors (E, r) — Z. Ceplecha: Visual Perseids 1956 (E, r) — Z. Ceplecha: Photographic Perseids 1956 (E, r) — M. Hansa and I. Za-

**MATHEMATICS
PHYSICS
ASTRONOMY**

charov: Collections of the meteoric dust during Perseids (E, r) — R. Podstanická: The photographic Perseids (E, r) — J. Bouška: The Earth's shadow during the partial eclipse of the Moon on May 13th—14th, 1957 (E, r).

**Чехословацкий физический журнал
Czechoslovak Journal of Physics**

*Vol. 8 (Journal of Mathematics and Physics, Annual 82) — 1958,
L. 80, six issues annually of approx. 128 pp. and 6 pp. suppl., annual
subscription*

\$ 15,20

£ 5,8,6

Rbl 60,80

DM 63,84

No. 4 contains (pp. 379—500): J. Fischer: Equations for the Green functions in quantum electrodynamics (E, r) — L. Trlifaj: Some aspects of the spherical harmonics method for neutron transport problems in cylindrical geometry (E, r) — I. Chudáček: Energy spectrum of α — particles emitted from sources of different thicknesses (E, r) — R. Klíma: Phase motion in a synchronous accelerator with tilted accelerating gap (E, r) — L. Špaček: The structure of closure domains in the planes {100} in iron. Dendritic structure (G, r) — Z. Málek, V. Kamberský: The theory of the domain structure of thin films of magnetically uni-axial materials (E, r) — F. Lukeš: The theory of the temperature dependence of the refractive index of insulators and semi-conductors (E, r) — K. Vacek: The effect of pressure on the absorption of silver halides, II (R, e) — V. Bartošek: Equation for the cooling of a body in the stream of a compressible fluid (G, r) — V. Adamec: The difference between AC and DC conductivity of insulating oils (G, r) — J. Brablc: The analytical representation of the dependence on temperature and pressure of the viscosity of gases, vapour and liquids (G, r) — J. Kramář, S. Láška: Electron emission from graphite caused by the incidence of mercury ions (E, r) — O. Hálová: Rotational vibrational energy of plane symmetrical molecule $X_2Y_2Z_2$ (E, r) — Methods and Instruments. M. Šícha: Electronic method of measuring decay time of cathodoluminescence in 200 msec to 5-sec range (R, e) — Letters to the Editor. M. Šícha: Influence of high frequency field on stratification in glow discharge in neon (R) — F. Lukeš: The dependence of optical constants of germanium on time (E) — E. Antončík: A note on the theory of the quantum efficiency of germanium and silicon (E) — M. Brdička, M. Dvorská, Z. Dvořáček: The elastic coupling between longitudinal and transversal vibrations of isotropic rods (E) — V. Syneček: The direct calculation of structure factors from X-ray diffraction data (E) — L. Pekárek: Local excitation of the wave of stratification in the positive column of an electric discharge (E) — Reports.

No. 5 contains (pp. 501—620): Č. Muzikář: The photon spin in the phenomenological theory of the electromagnetic field (G, r) — M. Trlifaj: The diffusion of the excitation energy in molecular crystals (E, r) — O. Litzmann: Localized vibrations in three-dimensional lattices with defects (E, r) — A. N. Zajdel, A. G. Zhiglinski, J. Čajko: Spectral method of determining the isotopic composition of lead. Part I (R, e) — M. Matyáš: The effective mass of electrons in the intrinsic region of InSb (E, r) — J. Do-

MATHEMATICS
PHYSICS
ASTRONOMY

lejší, J. Kantůrek, A. Bohun, J. Trnka: The luminescence, discoloration and exoelectron emission of Ca_2F crystals coloured by various methods (G, r) — M. Boček, P. Kratochvíl, M. Valouch: The cellular substructure of zinc single crystals prepared by the Czochralski method (E, r) — J. Pačes: The determination of spontaneous magnetization in the region of the Curie point (R, e) — Methods and Instruments. J. Kajfosz, J. Kopecký: Two-crystal scintillation spectrometer with pulse summation (R, e) — F. Lehár: The degree of efficiency of the scintillation counters for fast neutrons (R, g) — J. Juna: Basic relations for proposing mechanical neutron selectors (R, e) — Z. Dragoun: Metallographic methods of determining the dislocation density in germanium single crystals (R, e) — Letters to the Editor. K. Pátek: The photo-electroluminescence of ZnS-Cu (R) — S. Krupička: The theory of resonance line width in ferrites (E) — K. Šobra: The influence of anode material on the forming of a positive column in a glow discharge (R) — B. Sujak: Thermostimulated co-exo-electron emission simulated by the emission of crystal water (G) — New books — Reports.

Чехословацкий математический журнал
Czechoslovak Mathematical Journal

*Edited by the Mathematical Institute of the Czechosl. Ac. of Sc.,
 Vol. 8 (83) — 1958, L. 80, Quarterly of approx. 160 pp., annual subscription*

\$ 12,20 £ 4,7,0 Rbl 48,80 DM 51,24

No. 3 contains (pp. 319—486): P. Vopěnka: The dimension of compact spaces (R, e) — I. Babuška: Algorithms of Schwarz in partial differential equations in mathematical physics (R, g) — J. Novák: The uniquely determined continuous extensions of continuous functions (G, r) — J. Kurzweil: Integration by parts (E, r) — J. Kurzweil: Generalized ordinary differential equations (E, r) — A. Švec: Remark on the canonic straight lines on a surface (F, r) — A. Švec: Intrinsic geometry of the straight line congruences and their projective deformations (F, r) — K. Svoboda: On a class of spherical surfaces in a space of constant curvature (F, r) — F. Zítek: The theory of ordinary sequences without after-effect (R, g) — J. Hájek: A property of J — divergences of marginal probability distributions (E, r) — V. Pták: Supplement to the article »On approximation of continuous functions in the metric $\int_a^b x(t) dt$ « (E, r) — F. Zítek: Stochastic differential equations (F, r) — F. Zítek: The integrability of a stochastic differential equation (F, r) — Reports.

PHYSICS
ASTRONOMY

Československý časopis pro fysiku

*Annual 8 (82) — 1958, L. 80, six issues annually of approx. 128 pp.
and 6 pp. suppl., (Cz), annual subscription*
\$ 6,90 £ 2,9,0 Rbl 27,60 DM 28,98

No. 5 contains (pp. 513—632): Č. Muzikář: The photon spin in the phenomenological theory of the electromagnetic field — M. Boček, P. Kratochvíl, M. Valouch: The cellular substructure of zinc single crystals prepared by the Czochralski method — V. Krejčí: Influence of the cathode region on the dynamical properties of the hydrogen glow discharge — V. Hermoch: Contribution to the study of electrode spaces of short-termed electrical strong-current discharges — V. Blumová: The dependence of the discriminating capacity of the system »objective — photographic emulsion« on the relative aperture of the object glass — V. Bartošek: The cooling of an incandescent wire in a subsonic stream of gas — J. Pačes: The determination of spontaneous magnetization in the region of the Curie point — Methods and Instruments. J. Fousek: Method of determining the complex permittivity and the non-linear properties of dielectrics in the region of decimeter-wave lengths — J. Kajfosz, J. Kopecký: Two-crystal scintillation spectrometer with pulse summation — L. Drška, I. Chudáček, F. Štěrba: The determination of some neutron spectra by the method of nuclear emulsions — K. Závěta: New method of measuring the magneto-caloric effect in ferromagnetic semi-conductors — J. Skřivánek, M. Kuzmiak: Local sensitivity of the photocathodes of photomultipliers — J. Kubal, J. Beneš, Z. Hrkál: Effect of cadmium ions on the properties of nuclear emulsion — H. Frank: Orientation of monocrystals of germanium and silicon by an optical method — Z. Dragoun: Metallographic methods of determining the dislocation density in germanium single crystals — Letters to the Editor. S. Krupička: On the theory of resonance line width in ferrites — K. Pátek: On the photoelectroluminescence of ZnS-Cu — K. Šobra: The influence of anode material on the forming of a positive column in a glow discharge — Reports.

**Pokroky matematiky, fysiky
a astronomie**

*Edited by the Association of Czechoslovak Mathematicians and
Physicists, Annual III — 1958, L. 80, six issues annually of approx.
128 pp., (Cz), annual subscription*
\$ 3,90 £ 1,7,10 Rbl 15,60 DM 16,38

No. 5 contains (pp. 507—538): Mathematics. O. Borůvka: Some aspects of modern mathematics from the point of view of scientific work in our country — A. A. Markov: Mathematical logics and numerical analysis — A. G. Kuroš, L. A. Skornjakov: A scientific seminary at the Department of Algebra of the Moscow University — R. V. Gněděnko, I. B. Pogrebysskiĭ: Some tasks of mathematical history — Physics. L.

MATHEMATICS
PHYSICS
ASTRONOMY

Zachoval: The importance of artificial satellites for some basic physical problems — The question of conservation of parity — J. Tobláš: Some new experiences in the field of application of strong impulse discharges for thermonuclear reactions — M. Kolář: Physics of low temperature, I. Attaining and measuring of low temperatures — E. V. Špolskij: Forty years of Soviet physics — Astronomy. Cosmical electrodynamics — N. P. Barabašov: Observation of Mars during its opposition in 1956 — News from Science and Technology — On the activity of the Association of Czechoslovak Mathematicians and Physicists — Book reviews — New books.

Rozpravy Československé akademie věd

Series of Mathematics and Natural Sciences Annual 68 — 1958, L. 80

No. 11 contains (pp. 1—78): G. Alter: Two Renaissance Astronomers — David Gans, Joseph Delmedigo (E). Kčs 10,80

Studia Geophysica et Geodaetica

Annual II — 1958, L. 80, Quarterly of approx. 104 pp. and 4 pp. suppl., annual subscription

\$ 4,20 £ 1,10,0 Rbl 16,80 DM 17,64

No. 4 contains (pp. 301—410): T. Kolbenheyer: The Appeal of the American scientists for the cessation of nuclear weapon tests (E, r) — E. Buchar: The motion of the orbital node of Sputnik 2 (1957 β) and the oblateness of the Earth (E, r) — V. Vyskočil: Influence of the vertical density gradient on the second derivation of the gravitation potential (G, r) — M. Pick: A new method of producing maps of topographical correction (G, r) — F. Link: Emission of the high atmosphere during twilight, I. The method of research (F, r) — V. Santholzer, J. Macků, J. Podzimek, J. Horák: Systematic measurement of the radioactivity of atmospheric precipitation and evaluation of the artificial radioactivity of the atmosphere (E, r) — A. Gregor, Z. Gregor: Yearly changes of precipitation in their relation to the frontal zones (G, r) — L. Ruprechtová: Dependence of amplitudes of seismic body waves on the distance (E, r) — V. Kárník: The blast near Eschenlohe, Bavaria, recorded at Průhonice (E, r) — S. Brandežs: Formulae for the computation of the stream function in a non-divergent case (G, r) — V. Víték: A remark on some of the properties of horizontal nondivergent flow (E, r) — News.

**GEOLOGY
GEOGRAPHY**

Anthropozoikum VII — 1957

*Published by Ústřední ústav geologický (Central Geological Survey).
Scientific editor Dr. Karel Žehera. 40, 313 pp., 62 text figs., 16 folded
suppls., 98 suppl. on art paper, (Gz, G, g, e), p. c. Kčs 57,—*

A survey of the Quaternary geological, lithological, phytopaleontological, paleo-malacological and archaeological research carried out in Czechoslovakia in 1956. Of importance are especially the reports on the investigations in the Ostrava district and the Moravská brána (Gate of Moravia) area, which both are regions attracting great attention of economists and geologists.

HEJTMAN Bohuslav, KONTA Jiří

Horninotvorné minerály

*2nd edition, 80, 308 pp., 292 text figs., 1 coloured suppl., (Cz), k. c.
Kčs 24,90*

The second edition (the first edition has been issued by the publishing house Přírodovědecké nakladatelství 1953) presents a complete picture of the properties of the rock-building minerals and gives data of their occurrence and importance. The general part is devoted to fundamental theories of the optics of crystals and to descriptions of investigation methods completing the microscopical study. The special part presents a survey of the chemical, optical and microscopical properties of the most important rock-building minerals. The paper is supplemented by numerous original microphotographs of thin sections of rocks, tables, graphs and Newton's colour scale. As compared with the previous edition the book is supplemented by new methods of the investigation of feldspars and it has partly been worked over according to the most modern points of view.

KOPECKÝ Lubomír, VOLDÁN Jan

Krystallizace tavených hornin

*Published by the Central Geological Survey, series Geotechnica, vol.
25, 40, 210 pp., 57 text figs., 32 suppl. on art paper, (Cz, e), p. c.
Kčs 34,50*

The publication gives the results of the common study of the workers of the Glass Investigation Institute in Hradec Králové and of the Central Geological Survey in

**GEOLOGY
GEOGRAPHY**

Prague. It shows the historical development of the petrurgical industry, gives the properties required from the raw material, destined for melting, and mentions the technological methods and the use of casts, which need not to be provided by a protective coat as they do not yield to corrosion, are durable and resistant to abrasion and grinding. The book presents a survey of the rocks under consideration, their liability to melting, deals with the succession of the melting of minerals and the corresponding temperatures, the crystallisation of melted rocks, authigenic minerals, structural development of various groups of rocks, qualitative and quantitative dependences on the chemism of the original rock.

Sborník Ústředního ústavu geologického
Sv. XXIV, ročník 1957, oddíl geologický,
II. díl

*Published by Ústřední ústav geologický — Central Geological Survey.
Scientific editor Dr. Josef Svoboda. 80, 448 pp., 40 text figures,
8 folded suppl., 56 suppl. on art paper, (Cz, E, G, r, g, e), p. c.
Kčs 47,—*

This volume represents the continuation of the above-mentioned series, issued once per year, which is the main series published by the Central Geological Survey (Ústřední ústav geologický). The collective papers furnish evidence of the scientific work in all branches of the geological research in our republic.

Sborník Ústředního ústavu geologického
Sv. XXIV, ročník 1957, oddíl paleontologický

*Published by Ústřední ústav geologický — Central Geological Survey.
Scientific editor Dr. Josef Svoboda. 80, 384 pp., 10 text figures, 46
collotype suppl., 3 folded suppl., (Cz, E, G, r, e, g), p. c.
Kčs 38,—*

The publication concentrates the work of the Czechoslovak paleontologists, partly of the members of the Central Geological Survey (Ústřední ústav geologický) and partly of its collaborators. It presents a survey of the recent paleontological research in Czechoslovakia.

**GEOLOGY
GEOGRAPHY**

VTĚLENSKÝ JIM

**Mineralogie oolitických železných rud
z některých ložisek Barrandienu**

*Published by the Central Geological Survey. 40, 81 pp., 4 text figs.,
6 suppl. on art paper, 55 folded suppl., (Cz, r), p. c.*

Kčs 10,—

The publication is an important mineralogical contribution to the knowledge of the composition of the iron ores of the Barrandian area. The author characterises in detail from the morphological and chemical point of view the minerals composing the ores of this area and also gives other data obtained on the basis of most various identification methods. The book will form a part of a wider publication cycle.

**Zprávy o geologických výzkumech
v roce 1957**

Published by the Central Geological Survey. Scientific editor Dr. Vladimír Čech. 80, 271 pp., (Cz), p. c.

Kčs 19,60

Reports on the investigation carried out in 1957, publishing every year results of the investigation in the field in the single areas of the geological working districts. They present briefly the state of the recent research in the branches of geological sciences as well as in individual regions.

PERIODICALS

Časopis pro mineralogii a geologii

*Organ of the Czechoslovak Society of Mineralogy and Geology
Vol. III — 1958, L. 80, Quarterly of approx. 128 pp. and 24 pp. suppl.
on art paper, annual subscription*

\$ 5,40

£ 1,18,7

Rbl 21,60

DM 22,68

No. 4 contains (pp. 397—536): J. Hak: Zinckenite and its paragenesis from Husárka (Nízké Tatry Mts.) (Cz, e) — F. Čech and J. Staněk: New Lithium Pegmatite from Nová Ves near Krumlov (southern Bohemia) (Cz, g) — A. A. Malachov: On the succession of the origin of hydrothermal deposits, connected genetically with the formation of the Pluton of Central Bohemia (Cz) — M. Mazancová: The palynological investigation of the lignite at Uhelná near Javorník in Silesia (Cz, e) — B. Pacltová: Interesting

**GEOLOGY
GEOGRAPHY**

results of the palynological investigation of the structural bore-hole in Budějovice basin in southern Bohemia (Cz, e) — V. Pokorný: Lenticulina (Robulus) zuratkensis n. sp. (Foraminifera), a characteristic species from the Upper Oligocene of the Ždánice Flysch (southern Moravia, Czechoslovakia) (Cz, e) — A. Přibyl: Some new Carboniferous Arachnids (Trigonotarbidia) from the Ostrava-Karviná coal district (Cz, e) — P. Röhlich: The tectonics of the Cretaceous in the Blansko graben between Křetín and Kunštát in Moravia (Cz, g) — J. Svoboda and F. Kupka: Identification of tennantite from the Rozalia ore-vein at Hodruša (Cz, g) — G. Záruba: A section through the Paleogene in the NE part of the Turiec basin (Cz, e) — Scientific communications: V. Bouška: The metamict state of radioactive minerals (Cz) — J. Dvořák: New knowledge bearing on the stratigraphical position of the Danian (Cz) — J. Jaroš: A contribution to the question of the eastern boundary of the Boskovice furrow (Cz) — J. Petránek: The matrix, cement and interstitial material of sedimentary rocks (A contribution to the terminology) (Cz) — V. Pokorný: Conodonts (Čz) — P. Röhlich: A survey of the geological development of the Góry Świętokrzyskie Mts. (Poland) (Cz) — M. Váně: On the problem of the occurrence of the Carboniferous beds in northwestern Bohemia and of their coal content (Cz) — Reports: J. Pelíšek: Finds of windkaners in the regions of central, western and northwestern Moravia (Cz) — M. Zeman: Serpentine near Mirovice (Cz) — Z. Johan and K. Paděra: Report on a find of barite, occurring in Horní Kalná area (Cz) — A. Žertová and J. Petrboř: Plant remains from the peat-bogs near Čelákovice (Cz) — Some geological anniversaries in 1958: R. Kettner: Ferdinand von Richthofen (Cz) — R. Kettner: Albrecht Penck (Cz) — R. Kettner: Johan H. L. Vogt (Cz) — R. Kettner: Rudolf Zuber (Cz) — R. Kettner: 75 years from the death of J. Barrande (Cz) — Articles on scientific work — Personal reports — Literature.

Lidé a země

A popular scientific travelling and geographical Monthly Annual 7
— 1958, L. 80, ten issues annually of approx. 48 pp. and 4 pp. suppl.,
(Cz), annual subscription
\$ 4,0 £ 1,8,8 Rbl 16,— DM 16,80

No. 7 contains (pp. 289—336): J. Novotný: Klatovy — the gate of the Šumava Mts. — J. Čeřovský: From Ajaccio to the southern cape of Corsica — A. Kříž: To a land beyond three seas and three deserts — B. Velimírovic: Martinique — J. Sládek: Pictures from Moldavia — J. Langer: Danzig—Gdynia — Č. Studený: The life of the mountaineers in the Austrian Alps — Reports from the whole world — Books and maps.

No. 8 contains (pp. 337—384), A. Kříž: A trip to a country beyond three seas and three deserts — S. Drahorádová-Lvová: Peoples without history — F. Pospíšil: Arctic alpine flora on the Mt. Praděd (Czechoslovakia) — C. Votrubec: Algina — K. Gam: The Polish National Park near Ojcow »Ojcowski park narodowy« — R. F. Vaughan: Small countries of northern Borneo — K. Novák: A journey on the Danube to the Black Sea — J. Maršálek: Chess-playing in the country of geysers — D. Trávníček: Sebastian Münster and his »Cosmografia« — Reports from the whole world — Books and maps.

**GEOLOGY
GEOGRAPHY**

Rozpravy Československé akademie věd

Series of Mathematics and Natural Sciences Annual 68 — 1958, L. 80

No. 8 contains (pp. 1—59): B. Bouček and A. Přibyl: Studies of the lithology of the Kosov Beds ($d\check{s}_2$) of the Ordovician of Bohemia.

Kčs 9,25

No. 9 contains (pp. 1—42): Fediuk—J. Losert—P. Röhlich—J. Šilar: The geological conditions of the area extending along the Lusatia dislocation in the vicinity of Krásná Lípa.

Kčs 6,—

**Sborník Československé společnosti
zeměpisné**

*Annual 63 — 1958, L. 80, Quarterly of approx. 96 pp. and 8 pp. suppl.
on art paper, annual subscription*

\$ 3,0

£ 1,1,5

Rbl 12,—

DM 12,60

No. 3 contains (pp. 193—287): J. Ksandr: Periglacial phenomena in the western part of the Basin of Plzeň (3 text figs. and 2 phot. in text) (Cz, e), J. Pešek: Two new occurrences of potholes, notes on their genesis (3 text figs. and 3 phot. in text) (Cz, e), J. Demek: The composition of eolian and terrace sands from the vicinity of Pardubice (Eastern Bohemia) (1 photograph on art paper, 2 text figs.) (Cz, e), J. Jaroš: Contribution to the paleopotamological development of the middle course of the river Svitava (2 photographs on art paper, 1 text fig.) (Cz, e), V. Häufner: Mountain pasturing on the Great and Little Fatra (Kriváň) in 1957 (with two maps, 2 photographs on art paper, 1 text fig., 1 appended map) (Cz, e), J. Hůrský: Passenger traffic in Bohemian countries before the growth of industrialism (5 text figs.) (Cz, e), P. Šebesta: Pygmies — a problem of the human race (8 photographs on art paper, 2 maps in text) (Cz, g) — Reports — Literature — Maps and atlases — Periodicals — Reports of the Czechoslovak Geographical Society.

CHEMISTRY

BRESLER E. S.

Radioaktivní prvky

From the Russian original (3rd edition from 1957) translated by Dr. Jiří Dvořák and Dr. Zdeněk Spurný. Series Studie a prameny, Vol. 31, 80, 370 pp., 120 text-figs. 47 pls., 1 suppl., (Cz), h. c. Kčs 38,—

The publication deals with radioactive elements, natural and artificial, the art of their preparation, isolation and identification, their chemical and physical properties

CHEMISTRY

and the art of preparation and properties of their compounds. The contents proper is preceded by the interpretation of the fundamental terms used in the discipline of radioactivity and by a detailed interpretation of the methods of the isolation of radioactive elements.

HAIS Ivo M., MACEK Karel

Papírová chromatografie

Series Studie a prameny, Vol. 28, 2nd edition, L. 80, 883 pp., 242 fig., 42 suppl. on art paper, 8 coloured plates, 157 tab., (Cz), h. c.

Kčs 90,—

Revised and supplemented edition of the publication issued in 1954. Series of chapters written by leading Czechoslovak chemical experts, Dr. K. Macek a Dr. I. M. Hais. The work summarizes the most important items affording an aid in the elaboration of methods and standards of analytical control in chemical research. It presents a brief review of the origin and development of paper chromatography and acquaints the reader with the physical fundamentals of the method and with the relations between chromatographical behaviour and chemical structure; it further describes the principal technique employed for various groups of substances in chromatography and detection of isolated chemical individuals. The book is divided into a general part (history, theory and general technique, with reference to chromatography on cellulose powders) and a special part (individual groups of organic and inorganic substances). As to its contents, the work belongs to the field of analytical chemistry, but deals in its theoretical part also with physical and theoretical chemistry and in the special chapters with biochemistry and biology.

PERIODICALS

Collection of Czechoslovak Chemical Communications

Vol. 23 — 1958, L. 80, Monthly of approx. 192 pp. and 8 pp. suppl., annual subscription

\$ 30,20

£ 10,15,8

Rbl 120,80

DM 126,84

No. 8 contains (pp. 1415—1591): General, physical and inorganic chemistry: J. Nývlt and E. Erdős: Diffusion coefficients of cresols in water (E, r) — J. Juliš and J. Hodek: Adsorption equilibria. II. Adsorption of carbon disulphide vapour on Winkler dust (G, r) — Z. Hošťálek: Conversion curve for the causticisation of soda (R, g) — B. Matyska I. Kössler and V. Šrajer: Kinetics of the polymerization of *n*-butyl methacrylate (G, r) — V. Čermák: Polarographic study of the electrode and chemical reactions in the system sulphurous acid-hyposulphurous acid. I. Polarographic behaviour of hypochlorous acid.

sulphites in acid medium (G, r) — J. Volke: Polarography of aromatic heterocyclic compounds. V. Investigation of the reduction of aldehydes of the pyridine-carboxylic acids (G, r) — F. Čůta, E. Beránek and J. Písecký: Determination of the thermodynamic second dissociation constant of sulphurous acid on the base of potentiometric and spectrophotometric measurements (G, r) — F. Čůta and E. Beránek: Spectrophotometry of compounds of trinitrobenzene with sulphites, sulphides and cyanides (G, r) — J. Čepelák, J. Malý and V. Macháček: Extraction of uranyl nitrate with diethyl ether from the system water-nitric acid-ammonium nitrate (G, r). Analytical chemistry: V. Medonos: Polarographic determination of acetylene, vinyl chloride, 1,2-dichloroethylene and 1,1,2-trichloroethylene and their mixtures (G, r) — P. Beran and J. Doležal: Application of oscillographic polarography in quantitative analysis. VIII. Determination of palladium, rhodium and iridium using ethylenediamine sulphate as electrolyte (G, r) — Z. Šulcek and J. Gottfried: Analytical rapid methods for the investigation of metals and inorganic raw materials. IV. Polarographic determination of germanium (G, r) — J. Latinák and L. Skalický: Chromatography of dyestuff intermediates. VIII. Paper chromatography of 2-amino-8-naphthol-6-sulphonic acid, 2-amino-5-naphthol-7-sulphonic acid and identification of 2,8-diaminonaphthalene-6-sulphonic acid (G, r). Organic chemistry: R. Zahradník: Reactions of amino acids with carbon disulphide. VI. The kinetics of the formation of dithiocarbaminocarboxylic acids (G, r) — R. Zahradník: Reactions of amino acids with carbon disulphide. VII. Preparation and some physico-chemical properties of salts of dithiocarbaminocarboxylic acids (G, r) — M. Svoboda and J. Sicher: Stereochemical studies. IX. Hofmann degradation of quaternary bases of some medium- and large-ring *cis*- and *trans*-2-aminoalcohols; configurational assignment (E, r) — M. Svoboda, J. Jonáš and J. Sicher: Stereochemical studies. X. The effect of ring size and configuration on the basicity of the 2-aminocyclanols (E, r) — J. Fajkoš: On steroids. XXXI. Synthesis of 3 β -hydroxyandrost-15-en-17-one (E, r) — A. Novotný: ω -amino acids and their lactams. I. Reaction of cyclic ketones with hydroxylamine sulphate in concentrated sulphuric acid (G, r). — Biochemistry: F. Šorm and B. Keil: On proteins. L. Principles underlying the structure of ribonuclease (E, r). Notes: Z. Hošťálek and D. Doležal: Conversion curve for the causticisation of potash (R, g) — I. Kulčický and F. Šácha: Application of ion exchangers in analytical chemistry. IV. Separation of iron and aluminium on the anion exchanger OAL (G, r) — R. Zahradník and V. Koblíček: Reactions of amino acids with carbon disulphide. V. Paper chromatography and ionophoresis of dithiocarbaminocarboxylic acids (G, r) — J. Gut: Simple synthesis of 6-azauracil and 6-aza-thymine (G, r).

No. 9 contains (pp. 1593—1820): General, physical and inorganic chemistry: F. Hanic: The crystal structure of cadinene dihydrobromide $C_{15}H_{26}Br_2$ (G, r) — D. Papoušek: Investigations of intermolecular effects in liquids. I. The adiabatic compressibility and structure of the system hydrogen peroxide-water (G, r). Chemical engineering: G. Standart: Design of piping networks according to the theory of relay circuits (E, r) — G. Standart and Z. Cihla: Interphase transport processes. I. Schrage's theories (E, r) — Z. Cihla: Interphase transport processes. II. General discontinuous model of a pure gas (E, r) — G. Standart and Z. Cihla: Interphase transport processes. III. Continuous model of a mixture of ideal gases (E, r) — G. Standart: Interphase transport processes

CHEMISTRY

IV. Application of the thermodynamics of irreversible processes (E, r) — J. Procházka, J. Landau and G. Standart: Hydraulic analogue for the study of heat exchangers. III. A universal instrument (E, r) — H. Steidl: Studies on agitation. II. The indicating body method — a statistical experimental method for the study of agitation in liquid media (G, r) — V. Kolář: Study on agitation. III. Influence of mechanical agitation on the velocity of mass transfer from a solid, granular into a liquid phase (G, r) — V. Vaněček and G. Standart: Enrichment in partial condensers (E, r) — V. Míka: The absorption of carbon dioxide in water in a disk column (E, r) — J. Kohoutek, V. Doležalík and Č. Vermouzek: Effect of concentration on the efficiency of distillation equipment (E, r) — J. Pouchlý and E. Erdős: Kinetics of the adsorption from solutions. I. Simultaneous influence of the internal and the external diffusion (G, r) — V. A. Maliusov and N. M. Zhavoronkov: Separation of thermo-sensitive organic mixtures using the method of molecular distillation (R, g) — N. M. Zhavoronkov, S. I. Babkov and O. V. Uvarov: Concentration of stable isotopes using rectification and isotope exchange reactions (R, g) — J. Holló and T. Lengyel: Some problems of the equilibrium vapour-liquid of quaternary systems (G, r) — S. Bretsznajder: Some problems of studies on models of processes taking place with a part of the chemical reaction (G, r). Analytical chemistry: V. Patrovský: Application of complexons in analytical chemistry. LIII. Photometric determination of niobium by means of catechol and ethylenediamine tetraacetic acid (G, r). Organic chemistry: V. Gregor: Decomposition of geminal cyano-nitroso compounds (E, r). Biochemistry: B. Meloun, J. Vaněček and F. Šorm: On Proteins. XLV. Comparison of arginine and lysine peptides isolated from partial chymotrypsinogen and trypsin hydrolysates (E, r) — J. Hladovec and V. Mansfeld: Influence of plasmatic inhibitors on the proteolytic and procoagulating activity of trypsin (G, r). Notes: J. Čejka and F. Mareš: Isolation of silicotungstic acid without use of ether (G, r) — V. Velich: Determination of 8-hydroxyquinoline-5-sulphonic acid (E, r) — O. Wichterle and J. Zelinka: Copolymerization of various vinylidene halides (E, r). Book review.

- No. 10 contains (pp. 1821—1997): General, physical and inorganic chemistry: E. Erdős: Solubility of electrolytes. I. Representation and correlation of solubility data in polycomponent systems (G, r) — A. Tockstein: Temperature dependence of the pressure of phase transitions of higher order (E, r) — J. Plíva: Anharmonic potential functions of polyatomic molecules. II. The non-linear XY_2 molecular model (E, r) — J. Plíva: Anharmonic potential functions of polyatomic molecules. III. The linear XYZ molecular model (E, r) — J. Plíva: Anharmonic potential functions of polyatomic molecules. IV. Formulae for the zero-order frequencies (E, r) — I. Sekerka, K. Smrček, J. Vorlíček and E. Beránek: Corrosion studies. XVIII. On the problems of the processes governing the kinetics of the dissolution of metals (G, r) — V. Čermák: Polarographic study of the electrode and chemical reactions of the system sulphurous acid-hyposulphurous acid.
- II. Polarographic behaviour of sulphurous acid (G, r) — J. Malý, V. Knobloch, D. Imrišová, Z. Prášil and Z. Urbanec: Determination of the fission yields of ^{141}Ba and ^{142}Ba (G, r). Organic chemistry: M. Zbirovský and V. Ettel: Investigations in the field of organic fungicides. II. Reactions of thiocarbonyl chloride with 2-mercaptobenzothiazole, alkyl xanthates and dialkyl dithiocarbamates (G, r) — V. Hach and M. Protiva: Syntheses in the estrogenic hormone group. XVI. A synthesis of hydrindan-1,4-dione (G, r) — Z. J.

CHEMISTRY

Allan and J. Podstata: Aromatic diazo- and azo-compounds. XXVI. Hydrolysis and ammonolysis of amino-azo dyestuffs on the amino group; influence of bisulphite (G, r) — Z. J. Allan and F. Mužík: Aromatic diazo- and azo-compounds. XXVII. Coupling of derivatives of resorcinol and *m*-phenylenediamine. Quinoidic fixation of double bonds in the aromatic system (G, r) — V. Hach and M. Protiva: Antihistaminic substances. XLII. Derivatives of 1-aza-4-thia-2,3;5,6-dibenzocycloheptadiene (homophenothiazine) (G, r) — J. Rudinger and Z. Pravda: Amino-acids and peptides. XXII. Synthesis of some glutamine peptides; the structure of eisenin (E, r) — M. Svoboda, M. Tichý and J. Sicher: Stereochemical studies. XI. Synthesis of *cis*- and *trans*-2-aminocyclo-
 tedradecanol and 2-aminocyclopentadecanol (E, r) — O. Exner: On the reduction of pseudonitroils (G, r) — J. Mleziva: Thermal decomposition of 2,2,6,6-tetramethylol-
 cyclohexanol (E, r). Notes: J. Horáček and D. Grünberger: Modified rapid method for the determination of ¹⁴C (G, r) — V. Šedivec and J. Flek: On the solubility of metal diethyl dithiocarbamates in organic solvents (G, r) — Z. Zámorský: Preparation of some *p*-toluic acid derivatives (G, r) — R. Lukeš and V. Dědek: Synthesis of 1,3-dimethyl and 1,3,3-trimethylpyrrolidone-(2) (G, r) — J. Frejka and I. Wiesner: Reaction of tetraalkoxysilanes with *n*-butyl bromide (G, r) — R. Praus and J. Dyr: Biosynthesis of carotenoids in *Rhodotorula gracilis*. V. Colourless polyenes (G, r). Discussion: R. Zahradník and O. Schmidt: A proposal for the classification of reaction schemes for chemical kinetics.

Special issue of the Collection of Czechoslovak Chemical Communications, Volume 22 (1957): Main and Section Lectures presented at the International Symposium on Macromolecular Chemistry held under the auspices of the International Union of Pure and Applied Chemistry, Prague, September 1957. — Introductory speeches — Symposium main lectures: P. Doty: Biological polymers (E) — H. Mark: Progress in the field of high polymers (E). Section: I. Physic and physical chemistry of macromolecules: H. Benoit and G. Weill: Some aspects of the theory of light diffusion; study of polydispersity, influence of anisotropy (F) — V. A. Kargin: Structure and phase condition of polymers (R, E) — E. H. Müller: Deformation behaviour of high-polymers, especially for great deformation (G) — A. Peterlin: Non-Gaussian statistics of the linear macromolecule in solution (E) — Ch. Sadron and R. Cerf: Double-refraction of streaming macromolecular solutions; some recent advances (F) — G. M. Burnett and L. D. Loan: High conversion polymerization of methyl methacrylate (E) — W. Kern: Chemical conversions on synthetic polymers (G) — M. Magat: Initiation of polymerizations by gamma rays (F) — H. Morawetz: Specific effects in polyelectrolyte solutions (E) — S. S. Medvedev: Emulsion polymerization (R, E) — G. Natta, F. Danusso and I. Pasquon: On the mechanism and the kinetics of polymerization of α -olefines (F) — D. C. Pepper: Cationic polymerization (E) — G. V. Schulz: Polymerization as test reaction for the investigation of the kinetics of radicle reactions (G) — R. Simha: Mechanism and kinetics of chain degradation (E) — G. Smets: Chemical grafting of high polymers (F) — E. Thilo: Chemistry of high-molecular inorganic compounds, in particular of phosphates and silicates (G) — O. Wichterle: The present state of development in the field of polymerization of caprolactam (G) — K. Ziegler: Metallo-organic compounds from the viewpoint of macromolecular synthesis (G).

CHEMISTRY

Chemické listy

Annual 52 — 1958 — [Journal of Chemistry, Annual 82 — Journal for the Chemical Industry, Annual 68], L 80, Monthly of approx. 208 pp. and 8 pp. suppl., (Cz), annual subscription
 \$ 10,80 £ 3,17,0 Rbl 43,20 DM 45,36

No. 8 contains (pp. 1411—1672): Research papers: H. Steidl: Studies on agitation. IV. Rate of solution of a suspended polydisperse solid in a liquid. The rate relation for an isothermal batch process without disintegration of the crystals — L. Kišová and V. Čuprová: Study of equilibria in aqueous solutions containing complex nickel and copper cyanides and free potassium cyanide — V. Kaláb, J. Řepiš and K. Vnuková: A method of measuring the heat of reaction of continuous processes — Z. Šeha: Equation relating heat of evaporation and temperature — V. Kouřim and J. Krtíl: Sorption of radioactive isotopes on precipitates. I. Coprecipitation of caesium with hydroxides and polyuranates — A. Regner and V. Pour: Study of catalysts for the conversion of water gas. I. Testing of catalysts — M. Horák and O. Exner: Infra-red spectroscopy of carboxylic acid derivatives — A. A. Vlček: Relation between the electronic structure of inorganic depolarisers and their polarographic behaviour. V. Cobalt tetracarbonyl — P. Zuman and V. Černý: Polarography of steroids. III. Polarographic reduction of the steroids with an 18-aldehyde group — J. Franc and M. Wurst: Electromigration methods. I. Relation between the structure of aromatic compounds and their mobility in paper electrophoresis — A. Tockstein and K. Komers: Contribution to the theory of electro-metric indication of the equivalence point in irreversible redox-systems using two polarisable electrodes — L. Sommer: Spectrophotometric determination of iron with chromotropic acid — M. Effenberger: Chelatometric determination of sulphates in water using calcein as indicator — V. Novák and A. Krajina: Simultaneous conductometric determination of sodium and potassium — B. Buděšínský and J. Körbl: Complexometry in organic analysis. VI. A new method for the determination of organic bases — M. Večeřa and A. Spěvák: Quantitative organic analysis. XIX. Microdetermination of alkoxy groups — M. Večeřa and J. Bulušek: Quantitative organic analysis. XX. Study of the method for microdetermination of chlorine in organic substances by means of combustion in an empty tube — D. Šnobl, V. Kadaníková, J. Petránek and M. Večeřa: Identification of organic compounds. XXVI. X-ray diffraction patterns of S,S-dialkyl-N-p-toluenesulphonylsulphilimines — V. Šanda, Ž. Procházka and H. Le Moal: Relations of structure and R_F -value of aliphatic dicarboxylic acids — L. Jirousek: A new method for the detection of sulphur-containing compounds by paper chromatography — J. Sicher and M. Svoboda: Stereochemical studies. VIII. Synthesis of medium and large ring *cis*- and *trans*-2-aminocyclanols — M. Svoboda and J. Sicher: Stereochemical studies. IX. Thermal degradation of quaternary bases of some medium- and large-ring *cis*- and *trans*-2-aminocyclanols. Configuration assignment — M. Svoboda, J. Jonáš and J. Sicher: Stereochemical studies. X. The effect of ring size and configuration on the basicity of 2-aminocyclanols — R. Lukeš, J. Plíml and J. Trojánek: Hofmann degradation of quaternary bases and salts containing unsaturated alkyl groups. X. Thermal degradation of

1,1-dimethyl-2-methylenepyrrolidinium hydroxide — R. Lukeš and Z. Veselý: Syntheses in the *allolupinane* series. IV. An alternative synthesis of 4-hydroxymethyl-quinolidine — O. Exner and M. Horák: Derivatives of oximes. V. Determination of the constitution of acyl derivatives of hydroxylamine by infra-red spectroscopy — Z. J. Vejdělek and V. Trčka: Synthetic models of hypotensive alkaloids. III. Basic esters of 3,4,5-trimethoxybenzoic acid — N. Constantzas and J. Kocourek: Glucosides. III. Glucosides of 4-methylumbelliferone — V. Schwarz, V. Černý and F. Šorm: On steroids. XXXVII. Synthesis of methyl-3 β ,16 α -diacetoxybisanor *allocholanate* and its 20-epimer. A new method for the synthesis of the side-chain in steroidal bisnor-acids. Brief communications: P. Jirů and V. Jára: An active platinum-silica gel catalyst. Preliminary communication — M. Bohdanecký and A. Sternschuss: Constitution of hardened polyester resins. Preliminary communication — F. Petrů and F. Jošt: Contributions to the chemistry of the rare elements. VI. Addition compounds of anhydrous scandium chloride and bromide with pyridine and piperidine — Z. Drahota, R. Žák and M. Klicpera: Changes in the isolated rat diaphragm. II. Changes in the content of potassium, sodium and chloride ions and of water. Laboratory apparatus and technique: I. Klimeš: Automatic apparatus for removing polar compounds from water-immiscible solvents. Discussion: Z. Šeha and R. Holub: Contributions of harmonic oscillations to the thermodynamic functions for the case of one degree of freedom. Book reviews.

No. 9 contains (pp. 1673—1843): Research papers: D. Šnobl and L. Lehar: Effect of electrode surface on the capacity of a measuring capacitor and on the value of the measured dielectric constant of a solution — Z. Vodrážka: Protein interactions. VIII. Interaction of serum albumin with zinc(II) ions — Š. Štokrová and B. Sedláček: Protein interactions. X. Behaviour of human serum albumin in acid solution. An electrophoretic study — M. Pražák, V. Číhal and M. Holinka: Differentiation of phases in metallographic etching. I. Electrolytic etching at controlled potential — J. Peizker: Deformation of polarographic curves due to ohmic resistance — V. Hovorka: Isostructural isometallic chelates. Introductory Remarks — V. Hovorka and M. Král: Isostructural isometallic chelates. I. The iron(II) and iron(III) salts of salicylaldehyde salicyloylhydrazone — E. Růžicka: 7-amino-4-methylphenoxazone-(2) as an analytical reagent — J. Gasparič, M. Večeřa and M. Jureček: Identification of organic compounds. XXVII. Use of Friedel-Crafts acylation for the identification of alkyl-aryl sulphides — L. Sokol: Analysis of phenols and carbohydrates by means of gas-liquid chromatography — J. Roček and J. Krupička: Oxidations with chromium(VI) oxide. VII. Mechanism of the oxidation of secondary alcohols — R. Lukeš and J. Hofman: Branched-chain fatty acids. II. Alkali fusion of some branched-chain fatty acids — V. Bažant and J. Beneš: Organo-silicon compounds. XV. Preparation of linear methylphenyltetrasiloxanes — J. Černý: Glucosides of purpurogallin — M. Procházka and V. Horák: Sulpholanes. I. Halogenated derivatives of sulpholanes — V. Hanousek and M. Matrka: Note on the oxidation mechanism of malachite green — J. Joska and F. Šorm: On steroids. XXXVIII. Synthesis of 3 β -hydroxy-B-norandrost-5-en-17-one — J. Křepinský, V. Herout and F. Šorm: Plant substances. VI. Isolation of neutral substances from the root of *Valeriana officinalis* L. — J. Dubovský, M. Honsová, F. Kalousek, J. Palek and J. Šonka: Spectrophotometric method of measuring the activity of the pentose cycle in erythrocytes — O. Mikeš, V.

CHEMISTRY

Schuh and F. Šorm: Peptidic growth factors. I. Study of the nature of growth activity. Brief communications: D. Weiss: Polarographic determination of lead in ores — D. Weiss: Polarographic determination of antimony — D. Weiss: Polarographic determination of tin in presence of lead in ores — L. Brháček: Complexometric titrations (chelatometry). XXXIX. Rapid determination of aluminium in ferrosilicon — Z. Holzbecher: New fluorescent indicators. III. Volumetric determination of Al and Zn in alloys — E. Kroužek and P. Povondra: Determination of small amounts of mercury in inorganic raw materials — V. Skřivánek: Analysis of fluorite containing large amounts of galenite — K. Lusk and B. Holenda: Direct determination of cyanides in zinc-plating baths — I. Wiesner: Reactions of ethyl ether with phosphorus trichloride in the gas phase. Laboratory apparatus and technique: J. Jílek: A high-voltage source for electromigration processes — V. Klozar: Apparatus of automatic recording of coulometric titration curves. Book reviews.

No. 10 contains (pp. 1845—2027): Research papers: D. Papoušek: Intermolecular interaction in liquids. IV. Association of liquids — B. Sedláček: Protein interactions. XI. Interaction of trypsin and heat-denatured serum albumin — A. Bergstein, M. Rozsival and M. Mikuláš: Note on the preparation of manganese(II) ferrites — J. Klikorka, M. Machovec, J. Horák and A. Čelíkovský: Zinc(II) selenide. I. Spectral transparency of thin films; luminescence — J. Horák, J. Klikorka and A. Čelíkovský: Zinc(II) selenide. II. Nature of the luminescence of zinc(II) selenide — V. Jehlička and A. Reiser: Dipole moments and configuration of cadinene dihydrohalides — J. Vodehnal and M. Marhol: Study of the rate of attainment of equilibrium in exchange reactions with strongly acid catexes using a polarographic method — J. Weber: Polarographic currents at periodically varying potentials. II. Theory of current in the case of depolarizer regeneration by a chemical reaction in solution — F. Čůta and V. Klozar: Simultaneous coulometric determination of styrene and methyl oleate — A. Okáč and M. Šimek: Reaction of nickel(II) dimethylglyoximate with oxidizing agents — J. Romováček: Volumetric determination of carbon disulphide — I. Jakubec: Paper chromatography in one-phase systems. I. Effect of saturation of the paper with vapours on the position of the spots — V. Lakota: Chromatographic determination of phenol in commercial *o*-cresol — R. Lukeš and V. Dudek: The action of Grignard reagent on the amide group. XXIV. Synthesis of higher unsaturated ω, ω' -dicarboxylic acids — F. Mareš and M. Hudlický: Syntheses in the *allolupinane* series. V. Synthesis of *allolupinane* from γ (2-pyridyl)valeric acid — J. Pitha and I. Ernest: Syntheses in the *allolupinane* series. VI. Catalytic hydrogenation of γ (2-pyridyl)ketones — M. Procházka and V. Horák: Sulpholanes. II. Hydroxy derivatives of sulpholanes — J. Arient and J. Franc: Dyes derived from imidazole. I. Preparation and chromatographic separation of dyes from 1,4,5,8-naphthalene tetracarboxylic and 1,8-naphthalene dicarboxylic acids — M. Svoboda, M. Tichý and J. Sicher: Stereochemical studies. XI. Synthesis of *cis*- and *trans*-2-aminocyclotetradecanol and 2-aminocyclopentadecanol — J. Slavík: Alkaloids of the *Papaveraceae*. X. Secondary alkaloids from *Papaver rhoeas* L. and *Dicentra spectabilis* L. — M. Romaňuk, V. Herout and F. Šorm: Plant substances. VII. The structure of apotaxene from costus oil — M. Romaňuk, V. Herout and F. Šorm: On terpenes. XCIII. The composition of costus oil (from *Saussurea lappa* CLARKE) — O. Mikeš and F. Šorm: Peptidic

growth factors. II. Chemical properties of the growth factors from protein hydrolysates — Brief communications: J. Landau and J. Procházka: The course of homogenation during mixing. Preliminary communication — P. Mäsiar and T. Smolnický: On haemoglobin. II. A note on the problem of similarities in the structures of the protein component of horse and human haemoglobin — F. Šorm, B. Keil, V. Holeyšovský, B. Meloun, O. Mikeš and J. Vaněček: On proteins. XLIX. Comparison of the microstructure of chymotrypsinogen and trypsinogen. Preliminary communication — J. Horák, J. Klíkorka and A. Čelíkovský: Zinc(II) selenide. III. Rectifying effect of the Zn(ZnSe) Al cell — M. Podlaha: A new method for the preparation of a solution of potassium in liquid ammonia for the study of paramagnetic resonance — B. Sedláček and I. Frič: Dextran. VI. The values of the interaction constant of dextran determined by means of the light-scattering method — J. Franc: Determination of methyl *p*-toluate in the presence of dimethyl terephthalate by paper chromatography — Z. Řezáč and M. Adamec: Determination of alkalis in artificial manganese dioxide — P. Povondra and J. Věbr: Industrial analysis of natural fluorites — M. Veselý and Z. Šulcek: Colorimetric determination of copper in natural carbonates — J. Brodský and J. Zmítko: Preparation and properties of kieselsguhr used as support in gas chromatography — Z. Arnold: Note on the nature of the formylation agent from dimethylformamide and phosgene — Z. J. Allan: The consumption of sulphur trioxide in the sulphonation of *p*-nitrochlorobenzene — J. Hradec: Determination of serum albumin by the method of isotope dilution. Laboratory apparatus and technique: Z. Kubec and M. Švrdlík: All-quartz apparatus for the determination of fluorine by means of pyrohydrolysis. Book reviews.

No. 11 contains (pp. 2029—2204): Research papers: E. Hála: Mutual relation of equilibrium phase compositions in multicomponent systems. II. Systems of three and more components — E. Erdős and L. Jäger: Simultaneous adsorption of phenol and 3,4-dimethylphenol from dilute aqueous solutions — P. Bartl and B. Sedláček: Protein interactions. XII. Study of the heat denaturation of human serum albumin using electron microscopy — M. Horák, B. Schneider and V. Bažant: Organo-silicon compounds. XVII. Molecular spectra of methylphenyl siloxanes — J. Vepřek—Šiška, F. Šmirous and V. Pliška: Inorganic nitrogen compounds. IV. Mechanism of the reduction of nitrites in alkaline solution — J. Doležal and J. Novák: Rapid analytical methods for metals and minerals. VII. Polarographic determination of cerium in alloys and minerals — M. Jureček and K. Obruba: Identification and determination of O- and N-benzal groups — O. Wichterle, E. Šittler and P. Čefelín: Study of the equilibrium in the alkaline polymerisation of 6-caprolactam — R. Lukeš, J. Kloubek, J. Kovář and K. Bláha: A note on the Hess synthesis of hygrine — M. Černý and J. Pacák: A new method for the preparation of acetyl derivatives of β -D-thioglucopyranosides — L. Dolejš, M. Souček, M. Horák, V. Herout and F. Šorm: On terpenes. XCIV. The structure of lactucin — M. Suchý: On terpenes. XCV. Constitution of two alkylchamazulenes — V. Sýkora, V. Herout, A. Reiser and F. Šorm: On terpenes. XCVI. Steric configuration of acorone and of its stereomers — M. Suchý, V. Herout and F. Šorm: On terpenes. XCVIII. Proof of the structure of arctiopicrin and a note on its steric configuration — J. Fajkoš and F. Šorm: On steroids. XXXIX. Epimeric 2- and 4-bromo derivatives of 3-ketoandrostane — J. Fajkoš: On steroids. XL. Reduction of steroid ketones with lithium tri-*tert*-butoxyaluminumhydride

CHEMISTRY

— Z. J. Vejdělek and K. Macek: Synthetic models of hypotensive alkaloids. IV. Some new derivatives of the yohimbine group — J. Morávek: Isotope-labelled cancerostatic and bacteriostatic agents. I. Synthesis of azauracil-(4,5-¹⁴C) and azathymine-(4¹⁴-C) — V. Liebl and O. Mikeš: On proteins. LI. A technique for the comparison of ionexes used for the preparative chromatography of amino-acids, peptides and proteins — O. Mikeš and F. Šorm: Peptic growth factors. II. Isolation of a peptidic growth factor from an enzymatic casein hydrolysate. Brief communications: J. Peizker: Automatic compensation of errors in measurements of polarographic currents arising from the resistance of the measuring circuit — Z. Zábranský: Effect of pH on the polarographic behaviour of cadmium amalgam — R. Květoň: Reactions amides with formaldehyde. XI. A note on the determination of formaldehyde bound in urea-formaldehyde condensation products — F. Jančík, B. Kakáč and V. Vaníček: Determination of dimethylurea in presence of monomethylurea — M. Ferles: Reduction of some nitrogen -containing compounds with sodium aluminium hydride — Z. J. Allan and J. Podstata: Aromatic diazo- and azo-compounds. XXXII. Dyes derived from 3,6-dichlorocarbazole — L. Dolejš, M. Souček, M. Horák and F. Šorm: On terpenes. XCVII. The constitution of ledol — J. Hradec: Biosynthetic preparation of labelled serum albumin. Laboratory apparatus and technique: J. Peizker: A polarograph with a new recording device. Book reviews.

Chemie

Annual 10 — 1958, L. 80, Monthly of approx. 80 pp., (Cz, Sl), annual subscription

\$ 6,30	£ 2,5,0	Rbl 25,20	DM 26,46
---------	---------	-----------	----------

No. 8 contains (pp. 617—684): D. M. Wagnerová: Radiometric methods — J. Jalůvka: Electrographic colorimetry — M. Matrká: Titration with nitride in organic analysis — J. Plíml: Organic reactions named after their discoverers. II — J. Frkáň: Application of radioisotopes in the study of the mechanism of chemical reactions — J. Macků: Electrical measurements in chemistry. VI. — J. Mýl, J. Eckstein, V. Voborník: On the cloudiness of monocrystals of alkali iodides — C. Párkányi, A. Komárek: Dyestuffs of old times. Brief notes. Book review.

No. 9 contains (pp. 685—752): V. Kouřim: Radiochemical methods and equipments J. Nassler: Apparatus for works in non-aqueous solvents of low boiling point — K. Vetejška, J. Mazáček: Production of compounds of rare earths and thorium — J. Zýka: Analytical chemistry of plutonium (after a paper by Charles F. Metz in Anal. Chem. 29, 1748 [1957]) — V. Patrovský: Possibilities of photometric determinations in the long-wave ultraviolet region by means of current photoelectric colorimeters — M. Horák: Technique of measuring infra-red spectra of solid materials — J. Plíml: Organic reactions named after their discoverers. III — K. Bláha, J. Likeš: Mathematical-statistical methods in chemical research and manufacture. II. Brief notes. Society reports.

No. 10 contains (pp. 753—844): B. Schneider, K. Ulbert: Raman spectroscopy. I. Principle of Raman spectra and their application in organic chemistry — J. Nassler:

CHEMISTRY

Chemical reactions in electrical discharges — V. Horák: Advancements in organic synthesis. IX — J. Plíml: Organic reactions named after their discoverers. IV — P. Hrnčiar: On the application and preparation of indandione-{1,3} derivatives — V. Kalous, V. Kalousová: Proteinic composition of human blood plasma — J. Macků: Electrical measurements in chemistry. VII — J. Mazáček, K. Vetejška: Methods of separation of rare earths (lanthanides) — J. Kamiš: Mathematical-statistical methods in chemical research and manufacture. III. Brief notes. Symposiums, meetings and congresses. Jubilees and anniversaries. Book review.

Silikáty

Organ of the Czechoslovak Scientific Technical Society for the Silicate Industry at the Czechosl. Ac. of Sc. Annual II — 1958, L. 8^o, Quarterly of approx. 96 pp. and 8 pp. suppl. on art paper, annual subscription

\$ 3,40

£ 1,4,3

Rbl 13,60

DM 14,28

No. 3 contains (pp. 197—300): Original papers: M. Petrdlík, V. Dufek, J. Uchytíl: Selection of the optimum technology of sintered carbides of the type G_1 from technological processes of two plants (Cz, e, r) — T. Spitz: The influence of CaF_2 admixture on the reaction rate in the glass batch and on the acceleration of melting and clarifying processes of the glass melt for the production of drawn sheet glass (Cz, e, r) — Z. Engelthaler, K. Engelthaler: Linear thermal dilatation coefficient of chamotte and silica bricks (Cz, r, e) — M. Benda: Classification of ceramic facing tiles according to colours and shades (Cz, r, e) — M. Čáp: Joining of mica and glass type 16-III for a high vacuum apparatus by means of glass solder (Cz, r, e) — Č. Mrázek: Use of stereoscopic macro- and microphotography in electroceramic documentation and research (Cz, e, r). Brief original communications: O. Mach: Correlation between chemical composition and thermal dilatation coefficient of easily fusible boro-lead glass-solders (Cz) — M. Beran, M. Volf: Conversion of the thermal dilatation coefficient for various temperature ranges (Cz) — L. Wendler: Some peculiarities of the DTA curves of clays (Cz). New laboratory techniques: V. Vytasil, S. Vytasilová, V. Hejl: Apparatus for continuous investigation of weight changes at constant temperature in enamel research (Cz, e, r) — S. Procházka, J. Hlaváč: Apparatus for measuring the thermal conductivity of sintered ceramic materials at elevated temperatures (Cz, r, e). Technical news. Book reviews. Reports of the Czechoslovak Ceramic & Glass Society of the Czechoslovak Academy of Sciences.

**BIOLOGY
MEDICINE**

RAŠKOVÁ Helena

Pharmacology of Some Toxins
Farmakologie některých toxinů

*L. 80, 134 pp., 71 ill. in text, 9 tables, 4 suppl. on art paper, (8), p. c.
Kčs 21,70*

This monograph is published in English and summarises the results of many years of research carried out by the authoress on the effects of some bacterial poisons on various activities of organs of the human body. She also deals with some special methods of treatment. Shigella shigae toxin, typhus abdotoxin and streptolysin are dealt with and a detailed examination of their specific and nonspecific effects on the nervous system is included. On the basis of experimental results the authoress explains some of the phenomena accompanying serious infectious diseases and demonstrates the development of nonspecific adaptation following the addition of one bacterial poison to other toxins and to nonantigenic substances. Each chapter forms a complete whole. A list of references is included.

PERIODICALS

Acta virologica

*International Journal. English edition Vol. 2 — 1958, L. 80, Quarterly
of approx. 64 pp. and 8 pp. suppl. on art paper, annual subscription
per edition*

\$ 6,20

£ 2,4,0

Rbl 24,80

DM 26,04

No. 3 contains (pp. 137—200): A. A. Smorodintsev, N. S. Klyatchko: Live anti-mumps vaccine. I. Results of tests of the immunogenic properties of live vaccine when administered intradermally to susceptible children — N. S. Klyatchko, A. A. Smorodintsev: Live anti-mumps vaccine. II. Epidemiological effectiveness of the immunization of children with a single intradermal injection of live anti-mumps vaccine — T. I. Tikhonenko, T. A. Borodina: Composition and content of nucleic acids in the brain of white mice infected by Japanese B and tick-borne encephalitis viruses — J. Řeháček: Elimination of the virus of eastern equine encephalomyelitis (EEE) in the faeces of experimentally infected ticks Ixodes ricinus L. and Dermacentor marginatus Sulz. — Tang Fei-fan, Huang Yuan-tung, Chang Hsiao-lou, Wong Kai-chien: Further studies on the isolation of the trachoma virus — N. E. Gorev: The use of broth culture filtrates of Pseudomonas fluorescens for the destruction of non-specific thermostable (at 56° C) influenza virus inhibitors in human and animal sera — B. Styk, V. Rathová, D. Blaškovič: Thermostability of specific haemagglutination inhibiting antibodies against the FE influenza virus and their reactivation by the addition of fresh serum — M. Grešíková: Excretion of the tick-borne encephalitis virus in the milk of subcutaneously infected cows — W.

**BIOLOGY
MEDICINE**

Winkler: Adaptation of the type C cattle virus of foot-and-mouth disease to the brain of the white mouse — D. Blaškovič: Natural foci of equine encephalomyelitis in Czechoslovakia. An announcement.

Acta virologica
Международный журнал
Русское издание

Vol. 2 — 1958, L. 8^o. Quarterly of approx. 64 pp. and 8 pp. suppl. on art paper, annual subscription per edition
\$ 6,20 £ 2,4,0 Rbl 24,80 DM 26,04

No. 3 contains (pp. 137—200): Contents as for the English edition.

Česká mykologie

Journal of the Czechoslovak Scientific Mycological Society for disseminating knowledge of fungi from the scientific and practical point of view. Annual XII — 1958, L. 8^o, Quarterly of approx. 64 pp. and 4 pp. suppl. on art paper, annual subscription
\$ 2,40 £ 0,17,0 Rbl 9,60 DM 10,08

No. 4 contains (pp. 193—256): A. Pilát: Václav Melzer's eightieth birthday (Cz) — H. Orloš (Warsaw): A study of the of the sporification of the Polyporaceae (Cz, r) — Z. Schaefer: Less-known, rare and new Lactarius species in Czechoslovakia (Cz, l) — F. Šmerda: Russula solaris Ferd. et Winge (Cz, l) — A. Pilát: A new species of the genus Ceratellopsis Konr. at Maubl in Bohemia: Ceratellopsis kubičkae sp. n. (Cz, l) — E. Wichanský: Myxomyces Diderma spumarioides Fr. in Prague (Cz) — M. Svrček: A new species of Discomycetes from the Belanské Tatry Mountains (Cz, l, g) — M. Felklová: The cultivation of Claviceps purpurea Tul. in artificial culture (Cz, g) — J. Kubička: Fungi in the Třeboň district (Cz) — E. Wichanský: Critical notes on species Geoglossum thymiphilum Vel. and Geoglossum hirsutum Pers. sensu Vel. (Cz, l) — J. Herink: The occurrence of fungus poisoning in Czechoslovakia and its statistical study (Cz, g) — A. Pilát: Psilocybe mexicana Heim. (Cz) — Literature.

Československá biologie

Edited by the Biological Institute of the Czechosl. Ac. of Sc., Annual VII — 1958, L. 8^o, six issues annually of approx. 80 pp. and 8 pp. suppl. on art paper, annual subscription
\$ 4,80 £ 1,14,0 Rbl 19,20 DM 20,16

No. 5 contains (pp. 327—392): D. Soudek, E. Stránská: Manifestations of growth activity in the nucleolus of Basidiobolus ranarum Eidam (Cz) — Z. Laštůvka, M. Benšová,

**BIOLOGY
MEDICINE**

F. Plhák: Chlorophyll content and activity of some oxidation enzymes in mixed cultures of wheat and rye (Cz, r, g) — J. Javorek, Z. Laštůvka: The activity of some oxidation enzymes of rye, wheat, oats and barley in mixed cultures (Cz, r, g) — V. Tichý: On the influence of some components of soil humus on the growth of wheat (Cz) — B. Slavík: Graphic determination of the intensity of stomatal and cuticular transpiration in plants (Cz, r, e) — K. Schwammenhöferová-Stránská: A contribution to the breeding of tobacco for resistance to mosaic (Cz, r, g) — Z. Polák: The inhibitory effect of saliva on infection by the tobacco mosaic virus (Cz, r, e) — K. Beneš: Cytological effects of low temperatures (Cz) — K. Beneš, I. Hršel: Fixation by freezing and freeze-drying of tissue (Cz, r, e) — B. Hluchovský, V. Srb: On the suitability of Molisch's infiltration method for the determination of stomatal aperture (Cz, r, g) — Letters to the Editor — Biological news.

Československá fyziologie

*Edited by the Physiological Institute of the Czechosl. Ac. of Sc.,
Annual VII — 1958, L. 80, six issues annually of approx. 96 pp. and
6 pp. suppl. on art paper, (Cz, Sl), annual subscription*

\$ 5,20

£ 1,17,0

Rbl 21,—

DM 21,84

No. 5 contains (pp. 425—508): J. Antal: The elaboration of conditioned reflexes during locomotion — M. Bargár, A. Hasík: The possibilities of using mucin in depot forms of drugs — A. Bass, E. Gutmann, O. Hudlická, G. Vrbová: The influence of repeated muscle stimulation on the glycogen resynthesis curve — F. Bátěk, A. Kučera, V. Kučerová, L. Minařík: The part played by the spleen in bringing about interoceptive conditioned changes in the blood picture of rabbits — F. Bátěk, A. Kučera, V. Kučerová, L. Minařík: The influence of dihydroergotamine on the course of changes in the red and white blood picture in rabbits evoked by interoceptive mechanism — F. Bátěk, A. Kučera, V. Kučerová, L. Minařík: The influence of epinephrectomy on the course of changes in the red and white blood picture in rabbits evoked by interoceptive mechanisms — J. Bílek, M. Janovský: The influence of adrenalin on milk ejection evoked by oxytocin — P. Bravený, V. Kruta: Active potentiation of contractivity of heart muscle — P. Bravený, V. Kruta: Postextrasystolic potentiation of cardiac contractivity — J. Brod, V. Fencí, Z. Hejl, J. Jirka: The haemodynamic basis of the pressor reaction in man — J. Brod, V. Fencí, Z. Hejl, J. Jirka: A new method of comprehensive investigation of haemodynamics in man — J. Brod, V. Fencí, Z. Hejl, J. Jirka, J. Madlafousek: Changes in the blood flow to the musculature and skin of the forearm during emotional stimulation — O. Burešová, J. Bureš: Electric indicators of irreversible ischaemic changes in the cerebral cortex of rats — J. Bureš, E. Fifková, J. Maršala: Special features of spreading EEG depression in pigeons — R. Čapek, V. Knesslová: The effect of TEAB on contraction caused by bradykinin — J. Čícha: The influencing of anaphylitic shock — H. Dlouhá, J. Křeček, J. Křečková: The role of the suprarenal and pituitary during changes in the reaction of the kidney to water loading in young rats at the time of weaning — M. Dostál: An

analysis of the relations between the toxicity of morphine and sympathomimetics using the isobol method — C. Dostálek, V. Kuthan: The consequent induction effect of a sound stimulus on the pupil contracted following a visual stimulus — C. Dostálek, V. Kuthan: Control of the pupil by word systems — Z. Drahota: Changes in extra- and intra-cellular water following denervation — P. Duda, J. Zachar, M. Ruščák: The metabolism of the brain during depolarization called forth by asphyxia following spreading depression — P. Duda, J. Zachar, M. Ruščák: The course of terminal anoxic depolarization following spreading EEG depression — J. Dvořák: The formation of dominant foci following deafferentation — V. Ehrlich, K. Froňková: The effect of long-term oral administration of 1—4 Dihydrazinophthalazin on respiration and blood circulation at rest and on food reflexes in dogs — V. Ehrlich, Z. Harantová: The influence of reserpin on circulatory changes in the fingers of hypertensives — V. Eybl: The influence of lauryl sulphate on resorption of $\text{Na}_2\text{H}_2\text{EDTA}$ and CaNa_2EDTA — V. Eybl, J. Sýkora, J. Sůva, J. Švihovec, A. Kapicová: CoNa_2EDTA and its effect of NaCN poisoning — J. Fischer, L. Jílek: Correction of changes in the central nervous system caused by ligature of the carotid during early stages of the ontogenesis of rats — J. Frič: Measurement of circulatory periods by oxymeter using a non-injection technique — K. Froňková, V. Ehrlich: Dissociation of inhibition of vegetative reactions of dogs during defence and food reflexes — V. Ganz, A. Froněk: Measurement of blood flow using thermodilution — J. Gero, M. Gerová: Changes in pressure and volume of pulse oscillations of sinus carotis and a. femoralis under conditions of hypertension — D. Grafnetter, T. Zemplényi: Properties of tissue lipolytic enzymes and »clearing factor« during incubation with lipaemic serum — V. Grossman, Z. Chaloupka: The effect on the foetus of tubarin administered to gestating rabbits — E. Gutmann, G. Vrbová: The persistence of the adaptation reaction to intermittent starvation in normal and denervated muscle — E. Gutmann, G. Vrbová: The significance of signalisation of accomplished movements for the study of food-conditioned motor reflexes — P. Hahn, O. Koldovský: Growth and the intake of food and water in rats adapted while young to various temperatures — P. Hahn, O. Koldovský: The influence of starvation at two different temperatures on some aspects of the carbohydrate balance in young rats — P. Hahn, O. Koldovský, H. Pikhartová: The influence of chlorpromazin on oxygen consumption, rectal temperature of young rats and LD_{50} of chlorpromazin — M. Háva, I. Janků: The influence of apigenin on the permeability of capillaries — J. Heller: Changes in renal function during conditioned reflex diuresis after administration of hypertonic NaCl solution — J. Heller, J. Štulc: Modification of the method of titration of antidiuretic hormone — J. Hladovec, Z. Horáková, V. Mansfeld: The effects of the trypsin inhibitor from potatoes. II. The effect on burns and other anti-inflammatory effects — P. Hnák, V. Škorpil, V. Janda: The onset of denervatory fibrillation in the skeletal muscle of rats — E. Holečková, F. Chytil: The adaptation of liver tissues to intermittent starvation in rats — J. Holubář: An electroencephalographic study of reticular formation in man — F. Horák: Dynamic audiogenic seizure susceptibility and motor signs of seizure in rats after previous stimulation by an epileptogenic sound stimulus — J. Horák: The mechanism of the development of nodal rhythm in sportsmen — M. Horák, J. Jícha: Electrophoretic separation of urobilinoids — M. Horváth, E. Frantík: The action of l-glutamin on the central

MEDICINE

nervous system — O. Hudlická: Changes in blood flow through arteriovenous anastomoses and the capillary network of muscles after severing of the sciatic nerve — S. Hynle, N. Šebková, M. Wenke: Method of determining non-esterified fatty acids (NEMK) in serum — Z. Chaloupka, V. Grossman: Changes in the decomposition of dolsin by rat livers perfused in vitro during the development of radiation sickness — L. Chocholová, Z. Servít: Influencing the seizure threshold to an epileptogenic sound stimulus by some antiepileptics — L. Chocholová, J. Šterc: An analysis of cortical processes in rats sensitive and non-sensitive to epileptogenic sound stimulus — M. Chvapil, E. Holečková: The formation of collagen in tissue cultures — F. Chytil, Z. Hruža: Retention of nitrogen after wounding of rats resistant to traumatic shock — B. Jakoubek, D. Svorad: Topographical changes in the concentration of glycogen in the brain during muscular activity — I. Janků: The characterisation of spasmolytic action of apigenin — J. Jelínek: Changes in distribution of Na and Cl during ontogenesis of rats — D. Ježková: The development of blood pressure in piglets — L. Jílek, P. Mareš: The influence of temperature of the external environment on the resistance of young rats to ligation of the carotid — L. Jílek, S. Trojan: Investigation of the development of cerebral circulatory control — J. Jirka: The mechanism of renal vasoconstriction during exertion — V. Jurkovič, Z. Bělobrádek, V. Grossman: An attempt to influence cardiac arrhythmia in rabbits caused by aconite by blocking the vagosympathetic — A. Kleinzeller, K. Čapek: Changes in respiration and transport of ions in the renal cortex during ontogenesis of puppies — O. Koldovský, P. Hahn, J. Jiránek: Intestinal absorption of glucose in rats during ontogenesis — R. Korec, L. Herkeřová: Injury to A-cells of the islets of Langerhaus and hypoglycaemic action of indole-3-acetic acid and sulphanilylbutylcarbamyl — A. Kovařková: Determination of cardiotoxic and cardiotoxic activity of lanatoside D — L. Krulich, R. Höschl: Secretion of adenohipophyseal hormones during starvation. I. Secretion of ACTH and STH — J. Křeček, H. Dlouhá, J. Křečková: Changes in renal reactivity to vasopressin in young rats at time of weaning — J. Křivánek, J. Bureš: Some metabolic aspects of spreading EEG depression — V. Kubišta, J. Zelená: The course of the degeneration of nerve ends in insect muscles — J. Kuře: The influence of castration on regulation of NaHCO_3 intake in young rats — J. Lát: Constitutional differences in adaptation to various environmental influences — J. Lenfeld, J. Jezdinský, M. Kroutil: Further notes on the anti-inflammatory effect of emetine — J. Lenfeld, M. Kroutil: An attempt to analyse the effect of apomorphine in rats in connection with inflammation — J. Linhart, I. Přerovský: Haemodynamic and metabolic changes following arterial occlusion — F. Link: The therapeutic range of some analgetics and some antagonists of dinarkon — Z. Lojda, T. Zemplényi: The histochemistry of some enzymes during experimental rabbit atheroma.

**NEW
MEDICINE**

Československá mikrobiologie

*Edited by the Biological Institute of the Czechosl. Ac. of Sc., Annual
3 — 1958, L. 8^o, six issues annually of approx. 68 pp. and 8 pp. suppl.
on art paper, annual subscription*

\$ 4,10 £ 1,9,0 Rbl 16,40 DM 17,22

No. 5 contains (pp. 271—332): J. Johanovský: The significance of sensitization in experimental staphylococcal infection. II. The course of local infection in actively and passively sensitized rabbits (Cz, r, e) — J. Šterzl: Long-term immunization. III. Elimination of bacteria by the kidneys in normal and immunized rabbits (Cz, r, e) — J. Šmarda, Z. Hradečná: The size of lytic particles obtained through supersonic treatment of bacteria *Escherichia coli* (Cz, r, e) — N. A. Krasilnikov: The significance of antibiotics as specific characteristics of Actinomycetes and their determination by the method of experimental transformation (Cz, r, e) — M. Bomar: Notes on the mechanism of the action of fungitoxic compounds on micro-organisms. I. The synergism of bactericidal effect of pentachlorophenol and low temperatures on *Escherichia coli* (Cz, r, e) — O. Lysenko: On the taxonomy of *Coccobacillus acridiorum* d'Herelle (Cz, r, e) — M. Herold, V. Matelová, J. Nečásek, Z. Hošťálek: New methods in the biosynthetic production of antibiotics. II. Production of chlortetracycline by cultivation of a production strain on shredded grain (Cz, r, e) — Brief reports. Z. Řeháček: Submerged growth, development and production capacity of *Streptomyces erythreus* on a new synthetic medium (Cz, r, e) — E. Valášková: The effect of fungicidin and griseofulvin on *Botrytis tulipae* in vitro and in vivo — News.

Československá morfologie

*Annual VI — 1958, L. 8^o, Quarterly of approx. 112 pp. and 20 pp.
suppl. on art paper, annual subscription*

\$ 4,70 £ 1,13,7 Rbl 18,80 DM 19,74

No. 3 contains (pp. 205—338): T. Dzierzykraj—Rogalski: Prof. Dr. Tadeusz Rogalski (1881—1957) (Cz) — M. Dokládál: Changes in the cephalis index during the first twenty years of life (Cz, r, e) — J. Heřt: Differences in form of the articulations of the different fingers of the human hand (Cz, r, e) — V. Munka, V. Drahovský: On the question of the distribution areas of branches of arteria renalis (Sl, r, g) — Z. Slezák: Mesourachium et mesangia umbilicalia-cavum peritonei inf. subseptum (Cz, r, g) — O. Štěrbá: Volar and plantar short muscles of cattle metapodium (Cz, r, g) — E. Fífková, J. Maršala: The cerebral cortex of the dove (Cz, r, e) — V. Haškovec: Glia tissue, its classification and structure from the plasmatological point of view (Cz, r, g) — A. Myslivečková: The epithelium covering of the allantoic sack in chicks (Cz, r, e) — J. Wolf: Closing interfacetal borders of the cementing horny cells of the human epidermis (Cz, r, g) — O.

MEDICINE

Slabý: Morphogenesis and evolutionary morphology of the carpus of the sheep (Cz, r, e)
— L. Lemež: The blood of chick embryos. VIII. Quantitative reconstruction and proof of the first generation of definitive erythrocytes [E II₁] in the ontogenesis of chick embryos (Cz, r, e).

Folia biologica

International edition of the journals Czechoslovak Biology and Czechoslovak Microbiology. Vol. IV — 1958, L. 8^o, six issues annually of approx. 64 pp. and 8 pp. suppl. on art paper, annual subscription
\$ 6,30 £ 2,14,11 Rbl 25,20 DM 26,46

No. 4 contains [pp. 193—256]: M. Rychlíková: Notes on the question of heterologous transfer of tumour immunity by lymph node cells [E] — J. Chutná: Questions of the mechanism of destruction of homografts. III. The transfer of immunity to normal homologous tissue [E] — J. Svoboda: Analysis of acquired tolerance to the Rous sarcoma virus in ducks. I. The effect of intraembryonal and postembryonal injections of fowl blood, lyophilized blood and sheep erythrocytes [E] — L. Novák, A. Vacek: The effect of intraperitoneal injection of cysteine on the level of respiratory metabolism in mice [E, r] — M. Pospíšil: Changes in the mean volume of the red blood cells following X-ray irradiation in vivo [E] — J. Hubáček, I. Málek: Some biological and biochemical properties of acid-fast and non-acid-fast strains of *Mycobacterium phlei* [G, r] — I. Říha: Effect of repeated doses of acetylcholine on anaphylactic shock in guinea pigs [E] — J. Chaloupka, A. Babický: The ribonucleic acid-polyphosphate complex and its separation [E, r] — D. Soudek, E. Stránská: Manifestations of growth activity in the nucleolus of *Basidiobolus ranarum* Eidam [E] — K. Beneš: Cytological effects of low temperatures [E] — J. Čatský: On the effect of oxyhumolites on the mineral nutrition of plants [G] — Brief reports.

No. 5 contains [pp. 257—318]: N. A. Krasilnikov: The significance of antibiotics as specific characteristics of Actinomycetes and their determination by the method of experimental transformation [E] — A. G. Kuchayeva: Actinomycetes of the *Actinomyces lavendulae* group [E] — J. Macura: Seed and soil bacteria in relation to the rhizosphere effect [E] — V. Tichý, J. Chalupová-Janovicová: The influence of humus substances on the germination and growth of some cultivated plants [G, r] — V. Tichý: On the influence of some components of soil humus on the growth of wheat [G, r] — M. Penka: Intensity of transpiration of some species of wheat in Czechoslovakia [G] — M. Penka: Water consumption during transpiration of some Czechoslovak wheats [G] — Reviews. R. R. Porter: The complexity of γ -globulin and antibodies.

Physiologia bohemoslovenica

Edited by the Physiological Institute of the Czechosl. Ac. of Sc., Vol. VII — 1958, L. 8^o, six issues annually of approx. 96 pp. and 6 pp. suppl. on art paper, annual subscription

\$ 10,20

£ 3,12,10

Rbl 34,—

DM 42,84

No. 5 contains (pp. 417—488): F. Chytil, Z. Hrůza: Posttraumatic aminoacidaemia (E, r) — E. Gutmann, G. Vrbová: Adaptation of carbohydrate metabolism to intermittent starvation in denervated muscle (E, r) — J. Mourek: The effect of starvation on oxygen consumption following hypoxia during ontogenesis in rats (R, e) — V. Schreiber, V. Kmentová: The mechanism of hypothalamus-pituitary relationships. The effect of brain tissue suspensions on the amount of ascorbic acid in the pituitary gland in vitro (E, r) — I. Ivančo, J. Palenčár: Differentiation of the sensitivity of mechanoreceptors in different regions of the respiratory tract with reference to cough in rats, guinea pigs, rabbits and dogs (E, r) — I. Ivančo, L. Vereš: Blood pressure changes during cough evoked from different regions of the respiratory tract (E, r) — V. Nováková: The influence of afferent signalization on the course of postparoxysmal inhibition and seizure susceptibility in rats (E, r) — C. Dostálek: An attempt to explain the mechanism of the evocation of associated words and ideas (Note on the analysis of time-space relationships in the second signal system II) (R, e) — J. Brod, V. Pávková, V. Fencí, D. Benešová, R. Dejdar: Notes on the mechanism of »Čárnyj hypertension« (R, e) — J. Bureš: The third Gagra conference on questions of the formation of temporary connections (E) — D. Tollingerová: A further note on the connections of J. Procházka with Russia (R).

**Práce Brněnské základny
Československé akademie věd**

Acta Academiae Scientiarum Českoslovenicae Basis Brunensis, Edited by the Brno Branch of the Czechosl. Ac. of Sc., Annual XXX — 1958, L. 8^o, Monthly of approx. 48 pp. and 4 pp. suppl. on art paper

No. 8 contains (pp. 335—368): V. Hudec—V. Ložek—S. Mácha: On the occurrence of the mollusc *Laciniaria (Pseudalinda) riloensis* (A. J. Wgn.) in the region of northeastern Moravia.

Kčs 5,50

No. 9 contains (pp. 371—433): J. Kratochvíl, Fr. Balát, J. Pelikán: Results of the zoological expedition to Bulgaria organised by the Czechoslovak Academy of Sciences I. J. Kratochvíl: Cyphophthalmi and Laniatores in Bulgaria (Cz, g) — F. Balát: A contribution to the identification of the Mallophaga fauna of Bulgarian birds (Cz, g) — J. Pelikán: A contribution to the identification of Bulgarian Thysanoptera. I. (Cz, g).

Kčs 8,30

No. 10—11 contains (pp. 435—521): T. Martinec: A contribution to methods of studying phytoncids (Cz, r, e)

Kčs 11,20

**BIOLOGY
MEDICINE**

Preslia

*Journal of the Czechoslovak Botanic Society Annual 30 — 1958, L. 8^o,
Quarterly of approx. 112 pp. and 8 pp. suppl. on art paper, annual
subscription*

\$ 3,40

£ 1,4,0

Rbl 13,60

DM 14,28

No. 4 contains (pp. 341—452): I. Grulich: Changes in plant communities on meadows due to the burrowing of the common mole (*Talpa europaea*) in south Moravia (Cz, g) — News in plant pathology research. Abstracts from the meeting of January 13, 1958 (Cz, e) — Investigation of the Czechoslovak flora. E. Hejný: On the flora of northwest Moravia (Zábřeh and Litovel districts) (Cz) — S. Hejný: On the occurrence of *Azolla filiculoides* Lam. in southern Slovakia (Cz) — Reviews and bibliographies: V. Skalický: Bibliographia botanica čechoslovaca 15 (1950—1951).

Rozpravy Československé akademie věd

Series of Mathematics and Natural Sciences Annual 68 — 1958, L. 8^o

No. 10 contains (pp. 1—67): I. Hršel: The influence of different physiological conditions on the cytoplasm of germinating rice. Comparison of the cytoplasmatic structures of plant and animal cells (Cz, e).

Kčs 10,50

No. 12 contains (pp. 1—100): Z. Urban: A revision of Czechoslovak representatives of the genera *Valsa*, *Leucostoma* and *Valsella* (Cz, g).

Kčs 12,30

**Věstník Československé společnosti
zoologické**

Acta Societatis zoologicae Bohemoslovenicae. Edited by the Czechoslovak Zoological Society, Annual XXII — 1958, L. 8^o, Quarterly of approx. 96 pp. and 8 pp. suppl. on art paper, annual subscription

*Kčs 32,—

No. 3 contains (pp. 193—292): J. Lang: *Microchordoneuma voigti* Verh. and *Macheirio-phoron wehranum* Verh., two species of species *Diplopoda* from Czechoslovakia (Cz, e) — S. Frank: A second find of the golden aberration in gudgeons (*Nemachilus barbatulus aberr. erythrina* Berg 1933) in Czechoslovakia (G, cz, r) — J. Lellák: The fauna of the bottoms of two fishponds and its seasonal dynamics (Cz, g) — I. Novotný: Metabolism of the denervated muscle (Cz, e) — S. Frank: Age and growth rate of the small

**BIOLOGY
MEDICINE**

bream (*Blicca bjoerkna* L.) in Bohemia (Cz, g, r) — J. Buchar: The Ciliate fauna of Cicada froth (Cz, r, g) — B. Erhardová: Morphological variability of the fluke *Plagiorchis arvicolae* Schulz et Skworzov 1931 and *Pl. proximus* Barker 1915 (Trematoda-Plagiorchiidae) (Cz, g, r) — V. Hanák: On the post-natal development of the house mouse (*Mus musculus musculus* L.). I. Body and fur growth (Cz, g).

Zoologické listy

Folia zoologica. Journal of Applied Zoology in Czechoslovakia, Edited by the Zoological Committee of the Czechosl. Ac. of Sc., Annual XXI — 1958, L. 80, Quarterly of approx. 96 pp. and 8 pp. suppl. on art paper, annual subscription
 \$ 3,40 £ 1,4,0 Rbl 26,— DM 14,28

No. 4 contains (pp. 309—384): J. Křístek, R. Obrtel: On the identification of the parasites of *Pachynematus scutellatus* (Htg.) (Cz, r, g) — V. Skuhrový: The effect of cultivation operations on the occurrence of Carabidae on fields (Cz, r, g) — T. Tenora, V. Baruš: *Armadolepis spasskyi* sp. n., a new species of tapeworm from rodents of the family Myoxidae (Cz, r, g) — S. Mottl: The sexual cycle of the mouflon (*Ovis musimon* Schreber 1782) (Cz, r, g) — D. Novák: Notes on the distribution of *Culex modestus* Fic. in Moravia (Cz, r, g) — D. Novák: Notes on the distribution of the mosquito *Aedes* (O.) *cataphylla* Dyar in Moravia (Cz, r, g) — V. Hradil: On the identification of the carp louse (*Argulus*) from two new localities in eastern Slovakia (Cz, r, g) — J. Lang: The importance of Diplopoda as soil-fauna I. (Cz, r, e) — J. Šnoflák: A new species of the genus *Phanerotoma* (Hym. Braconidae) (Cz, r, f) — Book news.

Živa

Journal for Biological Research Annual VI (XLIV) — 1958, 40, six issues annually of approx. 40 pp. and 2 pp. suppl., coloured, on art paper, (Cz), annual subscription
 \$ 3,50 £ 1,5,0 Rbl 13,50 DM 14,70

No. 5 contains (pp. 161—200): B. Němec: Josef Edvard Proche — I. Klášterský: What remained after one century — M. Felklová: The healing properties of Common Thyme — J. Balcárek: Cultivation of mushrooms — I. Votruba: Humming-bird flowers — B. Piro: *Doryanthes Palmeri* W. Hill. — J. Oplt: *Lupinus* L. — J. Sítař: *Iris kaempferi* — B. Kobylka: Ferns of the genus *Polystichum* — A. Pilát: South African shrubs of the genus *Protea* L. — A. Kříštof: *Eucharis grandiflora* Planch. (amazonica hort.) — K. Háček: The cultivation of Russian »Kabachky« — A. Pilát: *Cytisus ramosissimus* Poir., a good house plant — J. Němec: *Medinilla magnifica* Lindl. — V. Kosík: Weeds which have caused a lot of unpleasantness — E. Vajgl: Growing plants without soil — J. Valníček: Succulent plants II. — Z. Řeháček: Antibiotics — M. Daniel: *Hydrachnellae* larvae parasitic on mosquitos

TECHNOLOGY

— V. Rezek: Golden wasp, our most beautiful Hymenopterae — A. Vojtuň: On the biology of the butterfly *Zerynthia hysipyle* Schul. — K and H Vaisochr: *Cerura vinula* L. — H. Kholová: The sense organs of Psyllidae — N. Hejtmánková-Uhrová: *Tyrophagus noxius* Zachv., a pest on dermatophyte cultures — J. Volf: African aspes in captivity — Z. Bárta: Anniversary of the acclimatisation of *Ondatra* in Czechoslovakia — O. Oliva: Canned fish — J. Uhlík: Brown algae in aquaria — V. Dyk: Maggots are not the most suitable foodstuff — D. Boháč, A. Boháčová: Birds in the nature reserve »Nový rybník« a Soběslav — E. M. Hachler: *Charadrius* species on south Bohemian fishponds — News.

TECHNOLOGY

250 let technických škol v Praze

Edited by the Technical University of Prague. 2nd ed., 40, 69 pp., 17 suppl. on art paper, (Cz, e, f, g, r), h. c. Kčs 21,—

Publication in celebration of the 250th anniversary of the beginning of technical education in Prague, edited by the Czech Technical University at Prague. The authors of the text, Prof. Fr. Kadeřábek and Prof. J. Pulkrábek, describe the history and present state of Czech technical education. First they present a sketch of the development of architecture in Bohemia and the task of the Prague architects' guild which was founded in 1344 and was essentially the first large architectural school in Prague. The history of technical schools proper in Bohemia begins with the foundation of the engineering school of the Bohemian Estates in Prague, called into existence by Christian Joseph Willenberg, a former member of the French military engineering corps. Then also the activities of his two successors, J. F. Schor and F. A. L. Herget, are characterized. This Bohemian engineering school was at the beginning of last century converted into a polytechnical school according to the suggestion of F. J. Gerstner, who became its first director and professor. The publication describes the many-sided activities of Gerstner and indicates briefly also the history of the school up to the present time. The book is supplemented by a description of the present organization of the Czech Technical University at Prague and a survey of its individual branches of sciences.

Hluboké teploty

Symposium of the Scientific-Technical Society for Mechanical Engineering at the Czechoslovak Academy of Sciences, Vol. III. Scientific editor Prof. Ing. Vladimír Chlumský. L. 80, 107 pp., 80 ill. in the text, (Cz), p. c. Kčs 8,20

Collection of papers from the field of gas liquefaction. The work summarises comparisons of thermodynamic efficiencies of low-temperature cycles, physical problems of

TECHNOLOGY

generators, equipments for the separation of the components of air by the deep-cooling method, and applicability of materials of constructions for very low temperatures.

Contents: O. Scholz: Applicability of materials of construction at very low temperatures — J. Obr: Pressure losses and heat transfer in regenerators for low temperatures — J. Růžička: Comparison of the thermodynamic efficiencies of low-temperature cycles — J. Růžička: Liquefaction of helium.

Hluk a otřesy

Symposium of the Scientific-Technical Society for Sanitary and Air-Conditioning Technique at the Czechoslovak Academy of Sciences. Scientific editor Prof. Dr. Ing. Jan Pulkrábek. L. 80, 183 pp., 90 ill. in the text, (Cz, e, g, r), p. c. Kčs 13,90

Collection of papers dealing with problems connected with the reduction of noise and vibration of machines in industrial plants, transport vehicles, industrial buildings and dwelling-houses.

Contents: J. Němejce: Sound dampers and their application for the reduction of motor noise — J. Ransdorf: Investigation of antivibration coatings — S. Horák, M. Lada: Contribution to the elimination of vibrations by elastic machine seating — M. Šnědrlí: Noise damping in motor test rooms — F. Kolmer, J. Tichý: Theoretical determination of the absorption properties of gouged porous materials — J. Podobský and co-workers: Investigation of acoustic high-pass filters — J. Fikrle: Mats of insulating materials — K. Mauric: Present state of our knowledge of sound-tightness of single-layer walls.

KUČERA Jaroslav, HAPL Josef

Vinutí elektrických strojů točivých

L. 80, 900 pp., 546 ill., 77 tab., (Cz), h. c. Kčs 87,50

The book deals with inductor windings of electric machines. The first part treats D. C. windings, the second part A. C. windings, and the third part is devoted to windings for A. C. commutator machines. The publication presents new achievements in the field of systematics of D. C. windings, a new method for the analysis of magnetic tensions, a detailed analysis of the additional losses in the windings of large machines, an analysis of the short-circuit forces on the winding fronts. The work, which is supplemented by numerous diagrams, figures and tables, summarizes the most modern information from the mentioned field.

TECHNOLOGY

PERIODICALS

Acta technica

Annual 3 — 1958, L. 80, six issues annually of approx., 80 pp. and 8 ppl. suppl. on cart paper, annual subscription
 \$ 8,70 £ 3,3,5 Rbl 38,40 DM 36,54

No. 5 contains (pp. 341—398): A. Veverka: Thermal breakdown of a cylindrical dielectric, taking into account the heat generated in the inner electrode into account (G, e) — I. Babuška and L. Mejzlík: On the applicability of high individual concrete layers in the erection of a gravity dam (G, r).

No. 6 contains (pp. 399—488): B. Heller and B. Paderta: Internal overvoltages in transformers during their disconnection at no-load (G, e) — A. Veverka and A. Barták: On the A.C. voltage ionization in the air gap of a solid dielectric (G, e) — M. Vorlíček: Analysis of results obtained in cube strength tests of concrete (F, e) — P. Beckmann: Height errors in radar measurements due to propagation causes (E, r).

Rozpravy Československé akademie věd

Series of Technology Annual 68 — 1958, L. 80

No. 3 contains (pp. 1—77): J. Švec: Calculation of seepage »with damming-up« from trapezoidal canals without an impermeable layer (Cz, g). Kčs 9,—

Zdravotní technika a vzduchotechnika

Annual 1 — 1958, L. 80, Quarterly of approx. 48 pp. and 4 pp. suppl., annual subscription
 \$ 3,80 £ 1,7,0 Rbl 15,20 DM 15,96

No. 3 contains (pp. 107—154): J. Kaprálek: Cooperation with the USSR in the field of gas purification (Cz) — J. Cihelka: Contribution to a theoretical solution of the problem of natural ventilation. I. Rise of air temperature in the working room (Cz, r, e) — L. Oppl: Evaporation from water surfaces (Cz, r, g) — V. Faltejsek, J. Vlach: Heat consumption gauges in flats (Cz) — A. Drozd: Installation of distribution pipings for compressed air in industrial plants (Cz) — J. Mikula: Calculation of head losses in liquid flow through pipes (Cz). Reviews. Standardization and patents. Organization survey. Criticism. Literature. Supplements 5 and 6.

No. 4 contains (pp. 155—202): J. Cihelka: Fight against overheating of rooms (Cz) — J. Chyský: Calculation of heat transmission through walls and windows for dimen-

HISTORY

sioning air-conditioning plants (Cz, r. g) — M. Lada: Determination of the permissible maximum vibrations with regard to the magnitude of the force transmitted into machine foundations (Cz, r, g) — J. Cihelka: The present state of our experience in gas radiator heating (Cz) — V. Fridrich: On garage heating (Cz) — M. Lažňovský, L. Oppl: Brussels 1958 (Cz). Reviews. Organization survey. Criticism. Literature Supplements 7 and 8. Contents of Volume 1 (1958).

HISTORY

CIBULKA Jan

**Velkomoravský kostel v Modré
a Velehradu a začátky křesťanství
na Moravě**

4^o, 362 pp., 70 ill. in text, 24 pp. of suppl., (Cz, g), h. c. Kčs 52,—

This volume deals with the recently discovered church in Modra nr Velehrad in Moravia. The author proves that the ground design of this church bears all characteristic features that indicate its Irish-Scottish origin. He deduces from this that its origin must be connected with the mission of Irish-Scottish monks who were sent to the »Great Moravian State« to convert it to the Christian faith at the beginning of the 9th century, i. e. before the arrival of the Slav missionaries Cyril and Method who up to now were thought to have been the bearers and propagators of Christianity in these regions. Therefore the date of the introduction of Christianity in Moravia, Bohemia and Slovakia must be fixed about 60—70 years before the arrival of the two Slavonic missionaries. This assertion seems to prove the much earlier existence of the 'Great Moravian State' and the economic and cultural maturity of the Slavs in the early Middle Ages. For this reason Professor Cibulka's work is of great importance and should arouse universal interest. It is richly documented and contains plenty of illustrations.

**Gotická nástěnná malba v zemích
českých I.**

*Editor: Professor Jaroslav Pešina. 4^o, 736 pp., 22 ill. in text, 251 suppl.
on art paper, (Cz), h. c. Kčs 124,—*

This is the first volume of a consistent recording of the art treasures in Bohemia and Moravia of the most important period, in which Bohemian art occupied a leading position in Central Europe. The monographic treatment of the single art objects has been chronologically arranged and supplemented by an interpretation of their development in connection with the development of Gothic painting in Europe. The work represents

HISTORY

a unique comprehensive document of the extraordinary wealth of Gothic mural paintings in Bohemia and Moravia. Besides the great scientific value, the work, designed to appear in four volumes, will also be a rich source of information; it will, therefore, be of basic importance for the study of older Czech art.

**Hnutí venkovského lidu v českých
zemích v letech 1918—1922**

*Series: Sources about the Response to the Great October Revolution
and the Origin of the Czechoslovak Republic, vol. 3, arranged by
Jaroslav César a Dr. Milan Otáhal, 4^o, 468 pp., (Cz, G), p. c. Kčs 40,—*

An edition of official documents, e. g. of the materials of courts, of the presidium of the provincial political administration, of the ministries of agriculture, social welfare and justice, of the police as well as of documents from the archives of estate-holders and of tenant-farmers, of the Union of Estate-holders and of some other organizations. The volume is divided into two parts. The first comprises the strikes of farm-labourers and peasants in defence of their soil against confiscation. The second part records the struggle for land reform and of the forcible division of the land. This work illustrates the most important problems of Czech agriculture and the struggle of the country-people in this significant period.

**Magistri Iohannis Hus sermones de
tempore, qui Collecta dicuntur**

*M. Iohannis Hus Opera — The Works of Master John Hus, vol. VII.
Edited by the Institute of Czech Literature, the Department of Greek,
Roman and Latin Studies of the Cz. Ac. of Sc. Editor: Professor F. M.
Bartoš, assistant editor Dr. Anežka Schmidtová. L. 8^o, 623 pp., 12 ill.
suppl., (L, Cz), h. c. Kčs 68,50*

This is the first critical edition of the oldest collection of the Latin sermons of Master John Hus which have so far been only accessible in the MSS collections and have their origin in the 15th century. The printed version is a reconstruction based on a comparison of all MSS in which the postil had been preserved; in the textual adnotations all variant readings of the respective MSS have been recorded. The chief aim of this edition is to render the most faithful version of all of Hus's Latin and Czech writings based upon the complete collation of the MSS and to explain the variant readings in adnotations. Many of the Latin works will appear in print for the first time in this edition. Collecta, which is the first volume to be published in this edition, will be ultimately volume VII in the whole collected works.

Iohannis Hus Opera — the Works of Master John Hus will consist of the following volumes: I: The Large Treatise — the Lesser Treatise — the Short Treatise — About Simony; II: Postil-Postil of Holy Days; III: Minor Writings; IV: Letters; V: Puncta; VI: Sermones de sanctis; VII: Collecta; VIII: Passio Cristi; IX: Dicta de tempore; X.: De tempore; XI: Quadragesimale; XII: Sermones in Bethlehem; XIII: Sermones; XIV: Sermones varii; XV: Summa naturalium — Exercitium rethoricae; XVI: Super canonicas-Explicatio 1 Cor.; XVII: Enarratio psalmorum-Expositio decalogi-Expositio super Pater, Super credo-De quadruplici sensu; XVIII: Super IV Septentiarum; XIX: Questiones — recommendationes et positiones; XX: Quodlibet; XXI: Tractatus annorum 1408—1412; XXII: Polemica; XXIII: De ecclesia; XXIV: Constatiensia; XXV: Dubia.

MATEJKA František

**Feudální velkostatek a poddaný na
Moravě s přihlédnutím k přílehlému
území Slezska a Polska**

*Studia a prameny, vol. 18. 80, 511 pp., 5 maps in suppl., (Cz, g), h. c.
Kčs 44,50*

The work deals with the changes in the feudal big estate in Moravia and in the neighbouring territories of Silesia and Poland in the second half of the 15th century and in the first half of the 16th century. The task was not only to trace the development of the nobleman's estate as the chief factor in this period, but also to trace the development of the serfs' position in it. The first part of the book discusses the territorial growth of the nobleman's estate and its relationship to the estates of the lord of the realm, of the ecclesiastic dignitaries and of the burghers. In the second part the author describes the productive work in the estate, tracing in particular the development of pond-fishing which, for a time, had been the most important branch of enterprise of the nobility. Due attention is also given to beer-brewing. In the third part the author analyses the relationship of the serfs to the big estate, particularly the division of the population into various sub-sections arising between the enfeoffed people and the nobility, the social differences among the people themselves and the obligations of the serfs to the seignior (corvé duties, taxes and labour rents). The fourth part presents a survey of the development of all these events and problems in the neighbouring territories. Because of its general conception this book is a pioneer work on the subject.

HISTORY

OLIVA Pavel

**Pannonie a počátky krize římského
imperia**

80, 362 pp., 60 ill. in text, 2 maps in suppl., (Cz, r, g), h. c.

Kčs 32,—

The work describes the history of Pannonia, one of the provinces of the Roman empire in the second half of the 2nd and at the beginning of the 3rd centuries A. D. It is thus simultaneously a history of the Roman empire at the time of its decline, when it gradually became involved in a chronic crisis which ultimately led to its ruin. The author explains the beginnings of this crisis on the basis of an analysis of the epigraphical, archeological, numismatical and other monuments of that time, especially of the extensive Roman (Latin), Greek, Hungarian, Russian, German, English, Italian and Czech literature. The book is complete with a detailed index.

Rok 1905

Series: Sources of the Revolutionary Movement and of the Response to the First Russian Revolution in the Czech Lands in the Years 1905—1907; Editor: O. Kodedová with the assistance of Z. Konečná, W. Wurmová, A. Grobelnová, J. Charouz. 40, 640 pp., 2 ill., 16 pp. of suppl., (Cz, G, P), p. c.

Kčs 64,50

The period 1904—1907, in particular the year 1905, is an important stage both in Czech national history and in the history of the revolutionary labour movement; it is equal in significance to the other great periods in the progressive history of the Czech nation. In those years the people in Bohemia and Moravia placed themselves in the first ranks of the revolutionary and democratic movement in the Austro-Hungarian monarchy and formed an important section of the vanguard of the progressive popular masses in the Habsburg Empire. It is the aim of this edition to present a critical selection of the sources and documents referring to this period. The work will include documents and printed materials from Bohemia, Moravia, and Silesia issued in the course of the stormy year 1905 as well as documents referring to important events in 1904, which are essential for an understanding of the events of 1905. Of great importance are the documents providing information about the Czech people's knowledge of the main forces of the international labour movement, of the advances of the working class in Russia, and of the role and importance of V. I. Lenin.

The series will include only selected materials, directly taken from the archives, which have so far not been published. The sources are printed in the language of the

HISTORY

original document, i. e. in Czech, German, or Polish; they are introduced by short statements about the date of the document and by a brief summary of its contents. The documents have been listed chronologically. The work is complete with marginal and additional notes, pictures, illustrations, maps, a list of periodicals, which have been excerpted and used, and with an index of local, personal and other names.

VRBOVÁ Pavla

**Hlavní otázky vzniku a vývoje českého
strojírenství do roku 1918**

80, 320 pp., 5 ill., 28 pp. suppl. on chalk paper, (Cz, e), h. c.

Kčs 22,50

This work discusses the main stages in the development of the Czech engineering industry from the time of the first factories producing machines in the Czech lands to the time when the Czech engineering industry had reached world level. The engineering industry belongs to the most important industrial branches, in the Czech lands from the second half of the 19th century, that is why it reflects the general level of industrialization. It was the aim of this monograph not only to contribute to the solution of some problems in the economic development of the Czech lands in the past century, but also to provide the basis for other works in this field dealing with smaller aspects. The work is based primarily upon archive materials which have so far not been used in any historical treatises dealing with the economic development of the Czech lands.

PERIODICALS

Acta Comeniana

*Archives for Research on the Life and Work of John Amos Comenius.
Edited by the Committee for the Study and Edition of Comenius'
Writings at the Czechosl. Ac. of Sc., Annual XVII (II) — 1958, L. 80,
two issues annually of approx. 128 pp., (all universal languages),
annual subscription*

\$ 2,40

£ 0,17,0

Rbl 9,60

DM 10,08

No. 2 contains (pp. 161—292): Articles. V. Růžička: Comenius's influence on the development of Slovak education (Sl, g, r) — F. Karšai: The personal relations of J. A. Comenius to Prešov and his didactic influence upon the schools of Prešov (Sl) — G. Geréb: The didactical endeavours of J. A. Comenius in the light of his activities in Hungary (Cz, e,

HISTORY

g, r) — Ján Mikleš: The importance of the progressive traditions of educational legislation in Bystrica in 1617 and its connections with Comenius's textbooks in Kremnica and Banská Bystrica (Sl) — J. Čečetka: Samuel Tešedík and Comenius's »Oratio de cultura in gentiorum« (Sl) — F. R. Tichý: Komenský and Joachim Kalinka (Cz) — D. Votrubová-Čapková: A Slovak follower of the Comenian pedagogical principles (Cz, e) — J. B. Čapek: Kollár and Comenius (Cz, e, r) — V. Růžička: Bibliography of articles about Comenius in Slovak periodicals and newspapers in the 19th and 20th centuries up to 1918 (Sl) — Works and Documents about J. A. Comenius's Life. M. Bohatcová: From Comenius's Correspondence (Cz, g) — Short Articles — News.

Archeologické rozhledy

Organ of Archeological³ and Related Scientific Institutes in Czechoslovakia, Annual X — 1958, 80, six issues annually of approx. 136 pp. and 24 pp. suppl. on art paper, annual subscription
 \$ 5,80 £ 2,1,0 Rbl 23,— DM 24,36

No. 5 contains (pp. 605—763): B. Novotný: New finds of channel ceramics in the lower region in Slovakia (Cz, g) — K. Tihelka: A child's grave nr Cezavy in the vicinity of Blučina, Moravia, (Cz, f) — K. Ludvíkovský: New La Tène graves in Moravia (Cz, g) — V. Spurný: Settlements of the period of the migration of nations in Hulin, Moravia (Cz, g) — Research and Findings Abroad. A. A. Formozov: Deposits of lithic instruments on the territory of the USSR (R, f) — M. Čižikova: Newly discovered brick-built buildings in Thrace in the early Hellenistic period (G) — St. Koziel: Research in Cracow to discover the pre-urban settlement (Po, f) — Topical Problems in European Prehistory. M. Zápotocký: Historical periods in the civilization of the funnel-shaped beakers in Bohemia and Moravia (Cz, g) — Museums and Exhibitions — Brief Notes — News — New Publications — Off-Prints.

Československá etnografie

Annual VI — 1958, L. 80, Quarterly of approx. 96 pp. and 12 pp. suppl. on art paper, (Cz), annual subscription
 \$ 5,0 £ 1,15,8 Rbl 20,— DM 21,—

No. 4 contains (pp. 331—446): Czechoslovak Ethnography. V. Pražák: Problems of the basic ground-plan types of popular buildings in Czechoslovakia, Part II (Cz, g) — J. Kšír: Folk architecture in the Haná region of Moravia (Cz, r) — Problems of Foreign Ethnography. L. Holý: Digging and working of iron by the East-African Bantu people (Concl.) (Cz, g) — Materials. J. Petřtyl: The commercial importance of hawkers' prints of the Chrudim printing houses in the 19th century (Cz, g) — Reports from Terrain Investigations. O. Nahodil: Preliminary report on the ethnographic tour to the Svans (Cz) — Chronicle. K. Chotek: Establishment of the Society of Czechoslovak Ethnographers of the Czechoslovak Ac. of Sc. (Cz) — Reviews and Bibliography — Short News.

HISTORY

Československá psychologie

Journal for Theory and Practice of Psychology. Annual II — 1958, L. 8^o, Quarterly of approx. 96 pp., annual subscription
 \$ 2,60 £ 0,18,7 Rbl 10,40 DM 10,92

No. 3 contains (pp. 205—331): The psychological work of František Krejčí — VI. Tardy: The personality of František Krejčí (Cz, r, e) — D. Tollingerová: The introduction of Fr. Krejčí into Czech psychology (Cz, r, e) — V. Chmelař: Psychology of Fr. Krejčí (Cz, r, e) — V. Příhoda: Krejčí's fight against idealism in psychology (Cz, r, e) — J. Fischer: Fr. Krejčí, a critic of arts and literature (Cz, r, e) — J. Pešková: The positive ethics of F. Krejčí (Cz, r, e) — J. Popelová: The philosophy of Fr. Krejčí (Cz, r, e).

No. 4 contains (pp. 333—412): E. Syřišková: An attempt at the theoretical justification and application of psychotherapy in some cases of schizophrenia (Cz, r, e) — O. Kolaříková: The possibility of using the exploration interview in the diagnosis of child depravations (Cz, r, e) — B. Chalupa: Research on defects of memory after poisoning by some industrial poisons (Cz, r, e) — S. Drvota, V. Marcelliová: Sound projecting methods (Cz, r, e) — Reviews and Notes — From other Journals.

Československý časopis historický

Edited by the Historical Institute of the Czechosl. Ac. of Sc., Annual VI — 1958, L. 8^o, Quarterly of approx. 208 pp., annual subscription
 \$ 4,60 £ 1,12,10 Rbl 17,— DM 19,32

No. 3 contains (pp. 409—620): Articles. R. Kvaček: The diplomatic preparations immediately preceding Munich (Cz) — J. Purš: Political camps in Bohemia and Moravia in the years 1868—1871 (Cz) (cont.) — K. Kořálková: The response to the unemployed movement in Czechoslovak politics at the beginning of the economic crisis (1930—1931) (Cz) — Discussion. V. Husa: The beginnings of anabaptism and Müntzer's stay in Bohemia (Cz) — VI. Kašík: Some remarks concerning the methodological problems of historiography (the question of the methodological approach in biographies) (Cz) — Reviews — Materials: I. Hlaváček: A new fragment of the registers of Tobias of Bechyně — R. Kejzlar: The Danish historian L. Holberg's (1684—1754) studies about John Žižka.

Český lid

Edited by the Institute for Ethnography and Folklore of the Czechosl. Ac. of Sc., founded 1891, Annual 45 — 1958, 4^o, six issues annually of approx. 49 pp. and 8 pp. suppl. on art paper, (Cz), annual subscription
 \$ 4,50 £ 1,12,0 Rbl 18,— DM 18,90

No. 5 contains (pp. 193—240): V. Karbusický: The dating of military folk songs (Cz, g) — J. Beneš: Types of aprons in the folk costumes in Strání (Cz) — J. Gelnar: Synco-

HISTORY

pation in the records of Czech and Slovak folksongs in the eastern territories of Czechoslovakia (Cz, g) — O. Skalníková: The illustration of mining maps as materials for folkloristic research (Cz, g) — V. Frolec and M. Macková: Tales in the folk literature of the region of Hodonín (Cz) — V. Scheufler: Pottery in the Kladno region (Cz) — Literature — News from Country Museums — News.

Pedagogika

Journal of Pedagogic Sciences Annual VIII — 1958, L. 8^o, six issues annually of approx. 128 pp., annual subscription

\$ 3,30 £ 1,37 Rbl 13,50 DM 13,86

No. 5 contains (pp. 529—636): Theory of Education and Instruction. F. Holešovský: On the question of suitability of a work of art to children of pre-school age (Sz, r, e) — Zd. Brodská: On some questions concerning the formation of a collective (Cz, r, e) — M. Kořínek: Report on the research of arithmetical instruction in the 2nd grade of the elementary school (Cz) — J. Váňa: Education and instruction in the Czech lands before J. A. Comenius (Cz, r, e) — M. Sovák: Pathogenesis and prevention of stammering (Cz, r, e) — Literature — News.

Rozpravy Československé akademie věd

Series of Social Sciences Annual 68 — 1958, L. 8^o

No. 11 contains (pp. 112—311): Antonín Salač: Constantinople et Prague en 1452 (Constantinople and Prague in 1452), pp. 123, 8 pp. of suppl. on art paper, 1 ill. in suppl., (F, Cz, r).

Kčs 12,30

No. 12 contains: Ludmila Kárníková: Úloha uhlí v průmyslovém rozvoji Čech do poloviny 19. století (The Importance of Coal in the Industrial Development of Bohemia up to the Middle of the 19th Century), 79 pp., (Cz, g).

Kčs 8,—

ECONOMICS, LAW, PHILOSOPHY

BLIÁŠ Josef

**Majetková odpovědnost pracovníků
v jednotném zemědělském družstvu**

8^o, 222 pp., (Cz), p. c.

Kčs 12,20

A legal monograph about the property liabilities of workers employed in the unified agricultural co-operatives. The author proves that Czechoslovak agricultural co-

**LAW
PHILOSOPHY**

operative law has its own liability system and that the legal questions arising from damage caused to co-operative property by agricultural workers, in particular by members and functionaries of the unified agricultural co-operatives are viewed in the light of the provisions of agricultural co-operative law. If there are no such legal provisions in this new branch of legislation, which recently originated in Czechoslovakia, provisions of civil law or labour law may be used *per analogiam*. The author also outlines in detail the liability system of agricultural co-operative law and discusses all questions connected with the indemnities for damage caused to the co-operatives through breach of work discipline, damage to and pillage of co-operative property. The concluding chapter contains proposals for new legislative measures and an excursion in the disciplinary liability of the unified agricultural co-operative.

FEUERBACH Ludwig

**Zásady filosofie budoucnosti a jiné
filosofické práce**

Philosophical Library. Translated by Zdeněk Sekal, the preface is written by Dr. Slavomil Stroh. 80, 155 pp., (Cz), h. c.

Kčs 15,10

The volume includes the anti-idealistic polemical treatise *About the criticism of Hegel's philosophy* (1839) and the core of Feuerbach's regeneration of philosophy *Preliminary theses for a reform of philosophy* (1842) and the *Principles of the philosophy of the future* (1843); these are followed by the *Beginning of philosophy* (1841), *About the evaluation of the work »The Essence of Christianity«* (1842), *About the »Essence of Christianity« in relation to the »Individual and his Property«* (1845) and the *Letter to C. Riedel* (1839).

LA METTRIE

**Pojednání o duši
Výbor z díla II.**

Selected Works, Vol. II. Philosophical Library. Translated by Professor J. B. Kozák. 80, 132 pp., (Cz), p. c.

Kčs 8,60

This is the second volume of the selected works of La Mettrie. It is the direct continuation of the work *»Man Machine«* and contains the *»Introductory Discourse«* (1751) to the first collected edition of the author's works and the *»Treatise about the Soul«* which was originally entitled *»Histoire Naturelle de l'Âme«* (1745), the first materialist treatise of the Age of Reason that was published. La Mettrie takes the soul as the sum of the more or less conscious functions of substances that make up the human body and are

**LAW
PHILOSOPHY**

at the same time the organizing principle of this body which is directed by the growth of the organizing functions on all its levels. The soul is to La Mettrie one of the abilities of substance under certain conditions and is entirely dependent on the normal and pathological process occurring in the living organism. The author refutes on principle the abstract notion of unvaried matter, particularly the Cartesian dualistic conception of soul and body.

**Mezinárodní dělba práce v socialistické
světové soustavě**

Editor: Dr. Vladimír Kaigl. 80, 126 pp., (Cz), p. c.

Kčs 8,30

This volume contains the papers presented to the first international conference organized by the Institute of Economics of the Czechoslovak Academy of Sciences from 12th—14th December, 1957, in Liblice near Prague. We find in it contributions dealing with theoretical questions about the origin and development of the socialist world system, the socialist division of labour, specialization and co-operation, the way to achieve this, criticism of the capitalist international division of labour. Other papers deal with the question of the relationship between the group producing means of production to the group producing consumer goods, with the question of economic aid to underdeveloped People's Democracies, with the question of scientific co-ordination, research and practical work in all countries of the socialist camp. The volume thus contains the first results of research in the sphere of the international division of labour in the socialist world system and indicates the main lines for further research and the means of bringing about better co-ordination.

Statistika a demografie

Editor: Professor František Egermayer. L. 80, 444 pp., 35 ill., 1 suppl., (Cz, S, P, cz, r, g, e), p. c.

Kčs 44,—

This is the first collected volume of 15 original scientific papers in the field of economic statistics and demography written by members of the statistics section of the Economic Institute of the Cz. Ac. of Sc., of the chairs of physics in the universities, of the State Office of Statistics, and of research institutes. It is to appear annually.

Contents: F. Herbst: New tasks of Czechoslovak statistics — F. Egermayer: Present-day characteristic features of Soviet theory of statistics — L. Šauer: The use of statistics in historical research — M. Zlomek: Graphical statistics in enterprise — V. Šrp, M. Kučera: The growth of population in the Czech lands in the 19th century — L. Růžička: Growth of mortality in the Czech lands — J. Svetoň: Mortality in Slovakia in the years 1850—1945 — J. Vraný: Measuring productivity of labour in agriculture on the

**LAW
PHILOSOPHY**

level of a branch of economy — Zd. Tlustý: Measuring the productivity of labour and its application in cotton mills — M. Gargulák: Research into the use of production equipment in steel mills — VI. Wynnyczuk: A contribution to statistical methods in the calculation of long-term requirements in the provision of housing — F. Vávrovský: Value and structure of the state-sponsored building scheme in Czechoslovakia in the year 1956 — J. Skolko: The fixing of depreciation of the basic means — J. Bouška: Measuring the utilization of railway goods waggons.

PERIODICALS

Časopis pro mezinárodní právo

Annual 11 — 1958, L. 80, Quarterly of approx. 96 pp., (Cz), annual subscription
 \$ 2,60 £ 0,18,7 Rbl 10,40 DM 10,92

No. 4 contains (pp. 261—375): Articles. J. Žourek: Codification of the Maritime Law. Remarks concerning the results of the Geneva conference on Maritime Law (Cz) — B. Donner: Is it possible from the aspect of Czechoslovak Law to submit to an international trade arbitration in which the decision would be taken on the basis of equity or commercial usage? (Cz, e) — International Events. The 11th Czechoslovak Communist Party Conference — The treaty between the German Democratic Republic and the USSR providing legal aid in cases of civil, family and criminal law — Conference of inland states about regulating their access to the sea — The Geneva codification conference about Maritime Law. — The Soviet Union's unilateral stoppage of tests with atomic and hydrogen weapons — The question of stopping nuclear weapon tests — Negotiations concerning a supreme level conference—Agreements between the USSR and the German Federal Republic — Conference of foreign ministers of Czechoslovakia, the German Democratic Republic and the Polish People's Republic — Delivery of goods between the USSR and Czechoslovakia in the period 1959/1965 — Election of the President and Vicepresident of the International Court — Security Council dealing with a) flights of American planes loaded with atomic weapons over Soviet territory, b) Tunisian complaints against France, c) events in Lebanon — Conference of independent African countries in Akkra — Agreement about compensation due to the nationalization of the Suez canal Conference of Arab countries in Tangier — The USA refuse the creation of an atom-free zone in Central Europe — NATO Council meeting in Copenhagen — Declaration of the Soviet government about interference in Indonesian affairs — Visit of President G. A. Nasir of the United Arab Republic to the Soviet Union — Meeting of representatives of Communist and Workers parties, members of the Council of Mutual Economic Aid in Moscow — Meeting of the political committee of the Warsaw Pact countries — Soviet-Yugoslav economic relations — Conference about international trade arbitrage — The British crown colony of Singapore received limited autonomy — Iceland extends her territorial waters — British-German agreement about the British army on the Rhine — Czechoslovak government delegation to Albania — Soviet-Finnish communiqué — 42nd international labour conference in Geneva — The international patent

**LAW
PHILOSOPHY**

institute in the Hague — Discussion. M. Milde: Some remarks upon the legal nature of the space above the territory of a state — Review of Journals — Foreign Legal Codes — Jurisdiction in Questions of International Law — About the Activities of International Non-Governmental Organizations — Reviews — Documents of International Law and Politics.

Filosofický časopis

Edited by the Philosophical Institute of the Czechosl. Ac. of Sc., Annual VI — 1958, L. 80, six. issues annually of approx. 160 pp., (Cz), annual subscription

\$ 4,80 £ 1,14,0 Rbl 19,20 DM 20,16

No. 5 contains (pp. 647—794): Articles: R. Rohan: The teaching about the Communist Party as a component in a course about scientific communism (Cz) — M. Sobotka: Kant's Critique of Pure Reason (Cz, r, g) — Discussion. K. Kosík: Classes and the real structure of society — G. Oshavkov: About the subject of historical materialism — L. Novák: The dialectics of aesthetic values — Reviews — News — Notes.

Právník

Theoretical Journal for Questions of State and Law. Edited by the Law Institute of the Czechosl. Ac. of Sc., Annual XCVII — 1958, L. 80, ten issues annually of approx. 96 pp., annual subscription

\$ 5,80 £ 2,1,5 Rbl 23,20 DM 24,36

No. 8 contains (pp. 667—778): Articles. Towards the final stage building socialism in Czechoslovakia (Cz) — G. Pflicke: Recent legal regulation of the mutual relations between socialist enterprises in the German Democratic Republic (Cz) — K. Tibitz: The so-called »furtum usus« in the Czechoslovak penal code (Cz, r) — J. Čapek: Theories of legal realism (Cz, r) — W. Morawiecki: The international status of the straits of the Baltic Sea (Cz) — The seventy-fifth anniversary of Professor Arn. Malovský-Wenig — The sixtieth birthday of Professor Bedřich Spáčil — Notes — Book Reviews — Scientific Life — Bibliography.

**LITERARY
SCIENCE**

**Dvě legendy z doby Karlovy: Legenda
o sv. Prokopu — Legenda o sv. Kateřině**

Series: Památky staré literatury české, vol. 21. Editor: Professor Vladimír Šmilauer. 80, 304 pp., 8 pp. of suppl. (Cz), h. c. Kčs 23,—

This is the critical edition of two rare literary monuments of Czech medieval literature. The legend of St Catherine is, because of its form, the culmination of Old Czech poetry, whereas the St Prokop legend explicitly reflects popular and social themes. Both works are introduced by two literary-historical studies and their texts are complete with detailed annotations and explanations. An Old Czech dictionary has been added. The rich pictorial supplement contains reproductions of the illuminated MSS and several medieval pictures of the two saints.

Frantové a grobiáni
Satira 16. věku v Čechách

Series: Památky staré literatury české, vol. 22. Editor: Dr Jaroslav Kolár. 80, 240 pp., 11 ill., (Cz), h. c. Kčs 20,80

This is a collection of minor Czech moralizing and moralpreaching satires from the beginning of the 16th century to the beginning of the 17th century. In the literature of this period satires played an important role, because the majority of them expressed the views, feelings and interests of the people and of the lesser burghers of that time. Next to the topical literary pronouncements and political satires these satires represent the second unofficial trend in Czech literature in the century preceding the Battle at the White Mountain, they are the antipode to the more ambitious literary creations. The publication includes a commentary, a literary-historical introduction, an Old-Czech dictionary and 11 illustrations of that time.

Slovník spisovného jazyka českého.
Sešit 6

Under the supervision of Academician B. Havránek, Professor J. Bělič, M. Helcl, Professor A. Jedlička, V. Křístek, Academician F. Trávníček edited by the lexicographical collective of the Czech Language Institute of the Cz. Ac. of Sc.: L. Doležel, J. Filipek, F. Havlová, M. Helcl, L. Janovský, K. Kozlová, L. Kroupová, J. Machač, M. Marešová, B. Papírníková, Z. Sochová, J. Štindlová, E. Vodrážková, J. Zima. L. 80, 96 pp., each section, (Cz), p. c. Kčs 7,50

The Dictionary of Literary Czech will be published in three volumes (I: A—M, II: N—Ř, III: S—Ž) of 1000—1200 pages each. The dictionary is the result of exact linguistic

**LITERARY
SCIENCE**

research, but its description of the word stock of present-day Czech can be easily understood by the general reader. Each catch-word gives the meaning of the basic word, its phraseological and idiomatic uses illustrated by a wealth of examples, its spelling according to the new Czech spelling rules, its literary pronunciation, especially of foreign words taken over into Czech. It further records the forms of inflexional words, verbal and prepositional phrases, prefixes of the respective verbs, cross references to the corresponding stylistic values of the single words, the meaning and use of technical terms, the meaning of archaic forms and uses, rare, expressive, bookish, poetic, regional, dialectical, slang and argot expressions. But such expressions have been included only if they appeared in the great works of Czech classical authors.

**Slovník staroslověnského jazyka
Lexikon linguae palaeoslovenicae 2**

Editorial board: J. Kurz (chief editor), A. Dostál, M. Štěrbová (secretary), B. Havránek, K. Horálek, F. V. Mareš, A. Mátl, J. Vašica.
4^o, 74 pp. each section, p. c. Kčs 30,—

This section of the Old Slavonic Dictionary is the continuation of the collective work of members of the Slavonic Institute of the Cz. Ac. of Sc. who are the foremost Czech experts in Slav philology. The dictionary will consist of two volumes of 800 pages each. Each catchword is rendered in Czech, Russian, German, Latin and Greek.

No. 2 contains: J. Kurz: Preface — F. V. Mareš: Form and construction of the catchwords — K. Haderka: Fontes — Sigla librorum Veteris testamenti — Sigla librorum Novi testamenti — Abbreviationes grammaticae et ceterae — Alphabeti cyrillici et glagolitici synopsis.

STŘÍBRNÝ Zdeněk

Shakespeareovy historické hry

Series: Studie a prameny, vol. 11, L 8^o, 295 pp., 1 suppl., (Cz, e),
Kčs 26,50

This is a monographic treatise on Shakespeare's historical plays Henry VI, Richard III, King John, Richard II, Henry IV, and Henry V. The first chapter deals with the general ideological and aesthetical problems of Shakespeare's historical plays against the background of the social and cultural development of Elizabethan England. This is followed by an analysis of each play. Here the author tries to throw new light upon the early dramatic period in Shakespeare's work in which his ideological and aesthetic personality was being formed — a period on which little research has so far been done. The author tries to solve some problems arising from the analysis of the plays in a new

LITERARY
SCIENCE

and original way: he quotes proofs of Shakespeare's relationship with English popular traditions, especially with the literature of the popular ballads. It is in particular Shakespeare's conception of 'time' and 'necessity' which the author considers to be the key-terms in his philosophy of history. The work embraces the Shakesporean literature of all countries, which is in some way relevant to the subject, up to 1957 with particular reference to the Shakespeareana of the last twenty years. The publication is complete with a detailed index and pictorial supplement.

Velký rusko-český slovník

768 pp., h. c.

Kčs 47,—

The fourth part of the Russian-Czech dictionary, which is in publication since 1952 and will consist of 5 volumes altogether. It will comprise the total vocabulary of the contemporary Russian literary language, together with the fundamental terminology and phraseology from all fields of activity. The work is built on original excerpts and constructed according to modern lexicographical methods.

The fourth part contains catch-words under the letters R—S.

Z doby Nerudovy

Series: Prameny k dějinám české literatury, vol. 3. Editor: Dr. Karel Krejčí, 80, 333 pp., 25 pp. of suppl. on chalk paper, (Cz), p. c.

Kčs 25,—

The various chapters making up this volume explain the atmosphere and background of the time in which Jan Neruda, one of the greatest nineteenth-century Czech poets, lived and worked. The introductory chapter, written by Karel Krejčí, discusses the ideological and literary conditions of Czech society in the sixties. This is followed by the first section entitled »The ideological struggles in Neruda's time«. Here Milan Pišút deals with Neruda's relations to Slovakia and R. Pražák with the Czech-Hungarian cultural contacts at the end of the fifties; finally K. Polák analyses Neruda's struggle with church reaction. The second section, entitled »Episodes from Czech life in the sixties and seventies«, describes a number of minor, but typical events for the political and cultural life of that time, e.g. the publication of the Almanach »April«, the publication of Šembera's slanderous pamphlets »Intimate letters from Prague« etc., it also contains the portraits of some less known personalities, whose fates and actions reflect the typical features of this period and which help us to become more familiar with it. The concluding study deals with the social circumstances in which Jan Neruda and his mother lived.

**LITERARY
SCIENCE**

PERIODICALS

Archiv orientální

Journal of the Oriental Institute of the Czechosl. Ac. of Sc. in Prague.
Annual 26 — 1958, L. 80, Quarterly of approx. 176 pp. and 4 pp. suppl.
on art paper, annual subscription
\$ 8,60 £ 3,3,0 Rbl 34,20 DM 36,12

No. 4 contains (pp. 529—697): Articles. L. Matiegková: Parts of animal bodies in Old Egyptian Medicines (G) — E. Segert: Aramic studies, Parts III—V (G) — Z. Veselá-Přenosiřová: The Correspondence of the Sublime Porte with Transylvania (1678—1679) (G) — O. Klřma: Iranian miscellanies (G) — J. Marek: The date of Muhammad Iqbāl's birth (E) — F. Tōkei: Two notes about Kouo-chang of K'iu Yuan (F) — T. Pokora: Comenius and Wang Kuo-wei (E) — L. Matouš: Some notes about the problem of Beduins in Old Mesopotamia (G) — J. Heller: The name Eve (G) — S. Segert: Once more about the characteristics of the West Semitic script (G) — Book Reviews — Enclosure. I. Hrbek: Bibliography of Czechoslovak Oriental studies for the year 1957.

Byzantinoslavica

International Journal of Byzantine Studies Edited by the Slavonic Institute of the Czechosl. Ac. of Sc., Annual XIX — 1958, L. 80, two issues annually of approx. 200 pp. and 12 pp. suppl. on art paper, annual subscription
\$ 5,30 £ 1,17,10 Rbl 21,50 DM 22,26

No. 2 contains (pp. 195—394): M. Paulová: Czech-Byzantine relations and their impact (G) — Gy. Moravcsik: The problems of Byzantine-Hungarian relations (G) — A. Elian: Byzantine-Rumanian relations — principal periods and characteristic features (F) — H. Evert-Kappesowa: State and development of Byzantine studies in Poland (F) — J. Irmscher: Byzantine-German relations as a field of research (G) — M. Gough: A fifth century silver reliquary from Isauria (E) — D. Winfield: Four historical compositions from the medieval kingdom of Serbia (E) — A. Vaillant: The Slavonic version of St. Ephrem (F) — Reviews — Bibliography.

Česká literatura

Journal of Literary Science. Edited by the Institute of Czech Literature of the Czechosl. Ac. of Sc., Annual VI — 1958, L. 80, Quarterly of approx. 128 pp. and 4 pp. suppl. on art paper, (Cz), annual subscription
\$ 2,80 £ 0,10,0 Rbl 11,20 DM 11,76

No. 3 contains (pp. 253—410): J. Mukařovský: The question of individual style in literature (Cz, r) — F. Svejkský: Fundamental problems of medieval poetry and their

**LITERARY
SCIENCE**

reflection in the study of Slavic literatures (Cz, r) — K. Dvořák: About the necessary assumptions for studying the influence of popular oral literature on literature (Cz, r) — A. Škarka: J. A. Comenius in the development of a Czech national literature (Cz, r) — J. Janáčková: The realistic tendencies in the work of K. V. Rais (Cz, r) — Zd. Pešat: The problem of individualism in the early poetry of J. S. Machar (Cz, r) — M. Grygar: Julius Fučík's reportage and its literary values (Cz, r).

Naše řeč

Edited by the Institute of the Czech Language of the Czechosl. Ac. of Sc., Annual XLI — 1958, 8°, 5 issues annually of approx. 64 pp., (Cz), annual subscription

\$ 2,0 £ 0,14,0 Rbl 8,— DM 8,40

No. 7—8 contains (pp. 177—240): A. Jedlička and V. Šmilauer: Accidence in the school edition of the New Czech Spelling Rules (cont.) — K. Richter: The nominative case in the military technical literature — P. Zima: On the question of ascertaining the stability in literary Czech pronunciation — I. Němec: The interpretation of some Czech idioms of indefinable composition — From Books, Journals and Newspapers — Reviews and Notes — Brief Comments — Linguistic Advice.

Nový Orient

Cultural-political monthly of the Oriental Institute of the Czechosl. Ac. of Sc. Annual XIII — 1958, 4, ten issues annually of approx. 24 pp. and 4 pp. on art paper, (Cz), annual subscription

\$ 3,30 £ 1,3,8 Rbl 13,20 DM 13,86

No. 7 contains (pp. 120—140): I. Hrbek: Some remarks concerning the birth of the United Arab Republic — T. Pokora: Chin Shih Huang-ti — the first emperor, the founder of the united Chinese empire — J. Heller: Forged manuscripts (About W. M. Shapira who forged biblical manuscripts) — M. Krása: Chittaprasad — F. Tauer: Persian historians about the Timur dynasty — J. Marek: The short story in new Urdu literature — K. Zvelebil: Tauromachy in present-day India — V. Häufner: Reply to the review of my book on Africa — Supplement. K. Petráček: Textbook of Literary Arabic (cont.).

No. 8 contains (pp. 141—160): J. Bečka: Rudaki and Tadjik literature — E. Herold: Chandni Chowk. Reportage from the centre of Old Delhi — J. Tomas: Comenius and India. Translations of Comenius's works into Oriental languages according to Dutch sources — Pudumeipittan: Dawn has come (transl. from modern Tamil by K. Zvelebil) — J. Klíma: Gudea — a good shepherd. A new appreciation of the Lagash ruler — Minn Latt: Hmain, the most beloved poet of Burma — M. Oplít: The modern Indonesian art of painting — Gipsy Gleanings. Transl. of poems by M. Hübschmannová — Lu Sun: What

**LITERARY
SCIENCE**

is a satire? Two literary essays transl. from Chinese by B. Křebsová — F. Tauer: Persian historians of the Timur dynasty (cont.) — V. and Z. Hrdlička: Ikebana — the Japanese skill in flower arrangement — J. Bartůšek: Through the whole world (book review) — Supplement. K. Petráček: A Textbook of Literary Arabic (cont.).

Slavia

Journal of Slavonic Philology. Edited by the Slavonic Institute of the Czechosl. Ac. of Sc., Annual XXVII — 1958, 80, Quarterly of approx. 168 pp., (Cz), annual subscription
\$ 8,20 £ 2,18,7 Rbl 26,— DM 34,44

No. 3 contains (pp. 329—520): K. Kuryłowicz: Once more about "Accentuation dans les langues indoeuropéennes" (Po) — A. V. Isačenko: About the typology of the lexical structure in literary Slav languages (R) — F. Bezlaj: The importance of onomastics for the study of the Old Slavonic vocabulary (Cz) — J. Petr: The place of origin of the MS of "Sprawa chedoga" of 1544 (Cz) — Z. Topolińska: The present status of the Kachibian accent (Po) — M. Vey: The statistics of the Czech vocabulary, an examination of the principal numerical relations (F) — Z. Hauptová: The borrowing of grammatical words from non-Slav languages (Cz) — K. Horálek and Z. Horálková: The Ukrainian song about the Voivod Štefan in a literary record of the 16th century (Cz) — Materials. J. Slizinski: About living traditions of the Czech Brethren in Silesia in the 18th century (Po) — M. Krbec: Correspondence between Stephen Lešky and Josef Dobrovský (Cz) — M. Bobrownicka: Julius Zeyer and Polish messianism (Po) — K. Kyas and J. Skutil: Lusation — Sorbic pre-war letters of F. Přikryl to Moravia (Cz) — Criticism and Reviews — Chronicle.

Slovo a slovesnost

Journal for the Theory and Literary Usage of the Language. Edited by the Institute of the Czech Language of the Czechosl. Ac. of Sc., Annual XIX — 1958, L. 80, Quarterly of approx. 80 pp., annual subscription
\$ 2,20 £ 0,15,9 Rbl 8,80 DM 9,24

No 3 contains (pp. 177—248): J. Bělič: Academician František Trávníček's seventieth birthday — Marc Vey: The verbal aspect of topicality and its ways of expression in Czech (Cz, f) — I. Němec: Iterative action and verbal aspect (Cz, r) — Discussion. F. Kopečný: Trávníček's Old Czech syntax (Cz) — J. Filipec: About the completed edition of the Shorter Dictionary of the Czech Language (Cz) — V. Skalička: The present status of linguistic typology (Cz) — Chronicle.

No. 4 contains (pp. 249—316): F. Ryšánek: The supposed uncontracted forms of the 3rd person sing. of the pres. indicative in the paradigm *v 1a dělati* / besides *dělá* also

**PERIODICALS OF
THE PRESIDUM**

dělaže [Cz, g] — J. Zima: About the expressiveness of the noun-diminutives in Czech [Cz, r] — J. Chloupek: Word-order in dialects, especially of eastern Moravia [Cz, r] — M. Romportl: The Czech consonant system / the place of *f* and *v* in the system of Czech consonants / [Cz, g] — Discussion. F. Kopečný: Once more about the paraphrastic future in Czech (a reply to Academician Trávníček) — J. Šabršula: Half a century of linguistic research of Marcel Cohen — J. Zima: New studies of the structure of Modern French — J. Filipec: Collected volume of the work of Soviet lexicologists — M. Těšitelová: Lexicographic and other linguistic problems in the collected volume of linguistic papers published in Rumania — Chronicle.

PERIODICALS OF THE PRESIDUM

Vesmír

Journal of Natural Sciences of the Czechosl. Ac. of Sc. Annual 37 — 1958, 40, ten issues annually of approx. 28 pp. and 4 pp. suppl. on art paper, (Cz), annual subscription
\$ 2,70 £ 0,19,0 Rbl 10,70 DM 11,34

No. 7 contains (pp. 219—246): I. Málek: The proportional development of science in socialist society — Č. Jech: The use of radio-isotopes in the study of thin layers — R. Kvapil and P. Květoň: Tectonic experiments in geology — H. Gaertner: The influence of psychic factors upon clotted blood — J. Lom and J. Vávra: Interesting items about the symbiosis of termites — J. Kabelík: The history of disinfection — News — Letters to the Editor — Discussion — Reviews.

No. 8 contains (pp. 251—286): I. Málek: The proportional development of science in socialist society (cont.) — Z. Horák: Man sees atoms — O. Oburka: Unseen stars — J. Janáček: Discovery of a new salt-mine in eastern Slovakia — P. Čížek: The cleanness of our waters — H. Selye, E. Bajusz: Stress and heart infarcts — News — Letters to the Editor — Discussion — Book Reviews.

No. 9 contains (pp. 291—318): J. Engst: The importance of the propagation of the scientific conception of the world in education in the spirit of socialist humanism — J. Brož: Ferrites — M. Milbauer: The use of photoelasticimetry in medicine — V. Sobek: The influence of antibiotics upon human and animal organisms — J. Wolf: Orderic, the Bohemian, of Friuli — News — Letters to the Editor — Book Reviews.

Věstník Československé akademie věd

Annual 67 — 1958, L. 80, ten issues annually of approx. 64 pp. and 4 pp. suppl. on art paper, (Cz), annual subscription *Kčs 53,—

No. 5—6 contains (pp. 383—480): Corresponding member of the Slovak Ac. of Sc. M. Konček: The climatic regions of Czechoslovakia — Ninth Plenary Session of the Cz. Ac.

**PERIODICALS OF
THE PRESIDUM**

of Sc. — Academician R. Urbánek: The five-hundredth anniversary of the election of George of Poděbrad to the throne of Bohemia — The law concerning the Cz. Ac. of Sc. and the statutes of the Cz. Ac. of Sc. — The Academy of the Rumanian People's Republic and its future co-operation with the Cz. Ac. of Sc. and the Slovak Ac. of Sc. — Rewards given to scientific workers — News from the presidium of the Cz. Ac. of Sc. — News from the sections and institutes of the Cz. Ac. of Sc. — Candidates' dissertations — News about international scientific contacts — Bibliography — Illustrations.

No. 7—8 contains (pp. 481—576): Academician I. Málek: The Eleventh Congress of the Czechoslovak Communist Party and Czechoslovak science — Klement Gottwald Prizes in 1958 for scientific work — News from the Presidium of the Cz. Ac. of Sc. — News from the Sections and Institutes of the Cz. Ac. of Sc. — News about international scientific contacts — Bibliography of scientific Literature.

Sanitized Copy Approved for Release 2010/06/01 : CIA-RDP80T00246A049000450001-8

PUBLISHING HOUSE
OF THE SLOVAK ACADEMY OF SCIENCES

Sanitized Copy Approved for Release 2010/06/01 : CIA-RDP80T00246A049000450001-8

BARTÓK Béla

Slovenské ľudové piesne I

L. 8^o, 736 pp., ill., (Sl, G, r, g, f, h), h. c

Kčs 74,—

The author of the collection is the outstanding Hungarian expert on folklore and world known composer. In 1906 he began his studies on musical folklore by analysing, resp. collecting material on Hungarian folk music. Soon he came to the conclusion, that the material collected at home would be insufficient for scientific studies and that it would be necessary to obtain a most thorough knowledge of at least those nations bordering on Hungary. Therefore, already in 1906 he started collecting Slovak folk songs, in which work he continued until the year 1918.

The significance of the edition »Slovak folk songs« lies in the system by which Béla Bartók classified the material and by which he succeeded in presenting a survey unique in its clearness. The work represents one of our most extensive and scientifically most accomplished collection of folk songs. At the same time it is one of our most significant works of comparison on musical folklore of Central and South Eastern Europe. The collection, classification as well as the whole system of explanatory notes are published in Slovak and German.

FELBER Stanislav

Filozofia matematiky

L. 8^o, 192 pp., ill., (Sl), h. c.

Kčs 16,90

The author elaborates in this work the fundamental conception of mathematics as a whole, as well as individual mathematical disciplines. He analyses modern views on mathematics, such as formalism, intuitionism and logicism, and finally dialectico-materialist views.

He further analyses the fundamental conceptions of the theory of aggregates which is the central discipline of modern mathematics. He investigates the gnoseologic as well as ontologic background of these conceptions, analyses the conception of infinity, and passes on to geometry.

Fotografická terminológia

L. 8^o, 52 pp., ill., (Sl), p. c.

Kčs 3,45

The dictionary contains all the basic terms from photography, including black-and-white as well as colour photography. As far as other departments are

concerned, especially optics, chemistry, technics or art, only the most fundamental terms have been included, or those which have a different meaning in photography. The articles are arranged in alphabetical order, each article is followed by a brief definition, supplemented in some cases by drawings.

Historické štúdie IV

L. 80, 296 pp., ill., (Sl), p. c.

Kčs 26,50 „

From the contents: J. Jablonický: Czecho-Slovak relations from the end of the 19th century till the year 1918 — M. Vyvíjalová: Hamuljak's efforts to found a literary journal and a political newspaper — J. Hučko: Educational activity of national leaders at the beginning of the Slovak national revival — Š. Kazimír: The state and location of iron industry in Slovakia in the second half of the 18th century — J. Obršlík: The migration of Moravian serfs to Slovakia at the end of the 17th and in the first half of the 18th century — J. Minárik: A contribution to the history of Slovak emigrants in Germany — E. Tejnál: The history of Turkish rule in Slovakia — D. Lehotská: The development of the Bratislava municipal office till the year 1526 — O. Pekáriková-Hvizdošová: Editorial work of František Vífazoslav Sasínek.

Hudobnovedné štúdie III

L. 80, 440 pp. 81 ill., (Sl), p. c.

Kčs 33,—

The studies contain works from various disciplines of musical science, such as musical folklore, historical discussions and indexes.

From the contents: O. Elschek: The conception and fundamental indications of musical folklore — Š. Tóth: The movement groups in Slovak folk dancing — K. Hlawiczka: Genetic analysis of the rhythm in Oravian songs — J. Kresánek: Historical roots of highwaymen's dance — R. Rybář: The history of the Banská Bystrica Musical Society in the years 1857—1862 — V. Lébl: Vítězslav Novák's relationship to Slovakia — Z. Hrabussay: Anton Rubinstein and Bratislava — A. Baník: Jakub Milštejn's monograph on Franz Liszt published in 1956 — J. Potůček: Supplements to musical bibliography.

Limes Romanus — Konferenz

L. 80, 124 pp., ill., (G), h. c.

Kčs 25,—

Resume of papers and reports from a conference of archeologists contains results of research in terrain from the period of Roman provinces on the territory of present Slovakia, Moravia and Panonia. The papers are published in German.

MRÁZ Andrej

**Literárny profil
Mikuláša Štefana Ferienčíka**

L. 80, 175 pp., (Sl), h. c.

Kčs 15,—

Academician Andrej Mráz analyses Ferienčík's prose work in the light of cultural and historical events and evaluates Ferienčík as a representative of a transitional period in prose between romanticism and realism. He discusses Ferienčík's stories and his attempts to free himself from the pattern of romantic prose writing. The study interprets the part Ferienčík played in the literary process of his times, the characteristics of his work and the literary and social endeavours it reflects.

RAPANT Dantel

Slovenské povstanie 1848—1849. III/3

L. 80, 688 pp., (Sl), h. c.

Kčs 57,—

The history of the second, so called winter campaign of Slovak volunteers against the Hungarian revolution. The author deals extensively with the contemporary Hungarian and general European situation, and makes use of many original documents from Czechoslovak and foreign archives.

REBRO Karol

**Urbárska regulácia Márie Terézie
a poddanské reformy Jozefa II**

L. 80, 680 pp., (Sl, r, g), h. c.

Kčs 59,—

The first chapter of the book surveys the economic and political development of monarchy as well as the legal position of the serf before the Teresian regulation on land tenure. In the background of that development the author shows motives leading to the passage of the land reform, which reflected the struggle between the monarchy and the Hungarian feudal lords for the fruits of the serfs' labour. The following chapters deal with the reforms proper, and enable the reader to get a true picture of the actual situation of the Slovak serfs, of their land tenure and their legal relationship to land, as well as of feudal exploitation at the time of introducing the Teresian reforms. The author has drawn from extensive sources in Czechoslovak and foreign archives, many of which have not previously been used.

SOCIAL SCIENCES

ŠIMŮNEK Eugen

Problémy estetiky hudobnej interpretácie

L. 80, 152 pp., ill. (Sl, r, g), p. c.

Kčs 11,70

The author deals here with the important problem of realistic interpretation from the standpoint of marxist aesthetics and applies the fundamental criteria of these aesthetics to individual problems of realism.

PERIODICALS

Naša veda

Journal of the Presidium of the Slovak Academy of Sciences. Vol. V — 1958. 40, issued monthly, 48 pp., (Sl), annual subscription
Rbl 16,80 \$ 4,20 £ 1,10

No. 9: In this number Academician D. Blaškovič publishes an article on the need of effective help by Czech science in the development of individual scientific branches in Slovakia, Academician V. Mucha discusses the significance of purity of surface waters for the health of the nation and Academician E. Belluš deals with scientific problems in architecture and with the contemporary development of Italian construction. The following articles deal with medical treatment by skin excitation in the light of scientific research, with the influence of the planned derived water works on the Danube on the neighbouring territories, and with automation and electronics in railway transport.

No. 10: In this number Dr. E Holotík published an article on the fortieth anniversary of the origin of the Czechoslovak Republic, Academician O. Dub discusses the water management in Austria and Dr. Ing. E. Kňazovický writes about the research on erosion on water flows. Professor S. P. Chromov from the Moscow State University has an article on the expedition of the ship Ob to the southern hemisphere and Dr. J. Arpai discusses the tasks of microbiology in biochemical analytics. The journal contains also reviews of new books, news and reports.

Jednotná škola

Vol. XIII — 1958. L. 80, 6 issues annually, 128 pp., (Sl. r, g), annual subscription
Rbl 10, — \$ 2,50 £ —,17,10

No. 5: The journal deals with the problem of theoretical work in childrens' organization outside the school, with film and polytechnical education, with communist education of youth in the Chinese People's Republic and with the results and problems of polytechnical education in the Hungarian People's Republic. News from conferences and reviews are also published.

Slovenská reč

Vol. XXXIII — 1958. L. 8^o, 6 issues annually, 64 pp., (Sl), annual subscription

Rbl 7,80 \$ 1,80 £ —,12,10

No. 5: In this number linguists deal with Czech proper names in Slovak context, with grammatical elements in word formation, with cases of the so-called decomposition of nominal numbers and with the declension of personal names or names of animals used to determine inanimate objects. The journal includes news, reviews and miscellanea.

Slovenské odborné názvoslovie

Vol. VI — 1958. L. 8^o, issued monthly 32 pp., (Sl), annual subscription

Rbl 10,— \$ 2,50 £ —,17,10

No. 9: The journal deals with changes in the terminology of inorganic compounds, with the terminology of atomic physics, with the terminology of chess, photography and the terminology of foodstuffs, and with Hungarian-Slovak dictionary of bibliography.

No. 10: In this number there are articles on railway terminology, on the terminology of botanic morphology and on English-Slovak terminology of arc welding. Besides news and discussions mention is made of Slovak feminine nouns without suffixes.

No. 11: This issue includes an article on the system of motivation signs in congruent terms, an article on the terminology of bicycles, terminology of genetics and a suggestion for terminology of tunnelling.

Slovenský filozofický časopis

Vol. XIII — 1958. L. 8^o, issued quarterly, 104 pp., (Sl), annual subscription

Rbl 10,— \$ 2,50 £ —,17,10

No. 3: This issue contains articles on causal logic, on basic observation methods and their application in social sciences, on the meaning of the revolutionary jump and on the question of mutual relations between the categories of dialectical materialism. Reviews and news from conferences are also included.

Historický časopis

Vol. VI — 1958. L. 8^o, issued quarterly, 160 pp., (Sl, r, g, f), annual subscription

Rbl 15,20 \$ 3,80 £ 1,7,—

No. 3: The leading article treats of the historical significance of the XIth Congress of the Czechoslovak Communist Party. The following articles deal with wage relations

SOCIAL SCIENCES

of agricultural labourers in Slovakia in 1920—1929, with the Hungarian workers in Czechoslovakia in the fight against rising fascism in 1934—1935, with Czechoslovak historiography on Munich and with old Slovakia as mentioned in the so-called Bavarian Geographer. Reports from conferences, reviews and bibliography are also published.

Slovenská literatúra

Vol. V — 1958. L. 8^o, issued quarterly 128 pp., (Sl), annual subscription
Rbl 10,— \$ 2,50 £ —,17,10

No. 3: The authors deal with the development of Slovak epic poetry, i. e. the work of Andrej Sládkovič. An article analyses Kukučín's style, especially his story »Rysavá jalovica« (The Ginger Heifer). Other articles deal with Bedřich Václavek's letters to Fraňo Král, and with Daniel Horčíčka (Sinapius), the translator of Orbis Pictus. Reviews and glosses are also included.

Slovenský národopis

Vol. VI — 1958. L. 8^o, 6 issues annually, 112 pp., ill., (Sl, r, g, e, f), annual subscription
Rbl 24,— \$ 6,— £ 2,2,10

No. 5: This issues includes a contribution on the study of folk architecture and dwellings in the district of Vráble, an article on Slovak stories by A. H. Škultéty and P. Dobšinský, articles on the history of folk architecture in the former district of Bratislava at the end of the 18th century, on the ethnographic collection of the Museum at Ružomberok and on the contemporary state of ethnology in Jugoslavia. Reviews are also included.

No. 6: This issue contains articles on the historical and folklore documents on recruiting in Slovakia, on charcoal burning in Hámry near Snina, on the work of P. Dobšinský and A. H. Škultéty in publishing »Slovenské povesti« (Slovak Stories) in 1858—1861, on the State Museum of folk art in Dresden and on additions to the ethnographic department of the Slovak Museum in Bratislava in 1957. Besides reviews there is a report on the conference of Czechoslovak ethnographic museologists.

Slovenské divadlo

Vol. VI — 1958. L. 8^o, 6 issues annually 96 pp., ill., (Sl), annual subscription
Rbl 15,20 \$ 3,80 £ 1,7,—

No. 5: The journal deals with some questions of contemporary Slovak theatre criticism, with comic opera, i. e. with Andrašovan's »Figliar Geľo« (Jester Geľo) at the National

SOCIAL SCIENCES

Theatre, on Piscator and his political theatre, on the efforts and interests of the members of the Prague Detvan (1882—1900) and on Michal Bosý, our first translator of Shakespeare. A discussion column and theatre bibliography are also included.

Ekonomický časopis

Vol. VI — 1958. L. 8^o, 6 issues annually, 96 pp., (Sl), annual subscription

Rbl 25,— \$ 6,30 £ 2,4,8

No. 4: The leading article is devoted to the 140th anniversary of the birth of Karl Marx. Other articles discuss Marx's theory of value and its application to socialist economy, and on Marx's teaching on the socially necessary labour time. A solution is offered to the question of increasing the economic effectiveness of credit and there is an article on the fundamental ways of increasing the economic effectiveness of Czechoslovak engineering. News and reviews are also included.

Právnícké štúdie

Vol. VI — 1958. L. 8^o, issued quarterly, 176 pp., (Sl, r, g), annual subscription

Rbl 40,— \$ 10,— £ 3,11,5

No. 3: The journal brings articles on the conception of the function of the state, on the new system of economic incentives, on questions of managing the national economy in our country and on the question of guilt in criminal offence.

No. 4: The leading article deals with the XIth Congress of the Communist Party of Czechoslovakia. The following articles discuss the Constitution in pre-Munich Czechoslovakia and the Constitution of 9th May, economico-technical regulation on real estate, problems of deliberation in administrative law, sentences passed by administrative organs, and some social and political opinions of Gandhi and their influence on the national liberation struggle in India.

Právny obzor

Vol. XLI — 1958. L. 8^o, 10 issues annually, 64 pp., (Sl), annual subscription

Rbl 11,— \$ 3,20 £ 1,2,10

No. 7: This issue contains an article on the XIth Congress of the Communist Party of Czechoslovakia and our jurisprudence, articles on capacity contract — a new institution

**BIOLOGICAL AND
MEDICAL SCIENCES**

in civil law, on the questions of regulation of remuneration of employees' work, on some questions of legal regulation on the payment of bonuses and article dealing with the Briand-Kellog pact. News and reviews are also published.

No. 8: The authors discuss the origin of the Czechoslovak Republic and the causes of the power of the Czechoslovak bourgeoisie, the origin of the pre-Munich Czechoslovakia from the standpoint of civil law, Munich after twenty years, and the principle of eligibility in the organisation of executive organs of National Committees. The journal also includes reviews and news.

BIOLOGICAL AND MEDICAL SCIENCES

PERIODICALS

Biológia

Vol. XIII — 1958. L. 8^o, issued monthly, 80 pp., tab. phot., (Sl, r, g, e, f), annual subscription
Rbl 17,50 \$ 7,80 £ 2,15,9

No. 8: Articles published deal with the course of natural leaf falling of two evergreen trees, with the prognosis of Perenospora in vine, with the question of filtrable forms of saccharomyces, with the synthesis of 1-ascorbic acid in guinea pigs and, besides other news, with the determination of calcium in plant material on flame photometer.

No. 9: In this issue there are contributions on the physiological properties of maize lye, on the use of mathematical and statistical methods in geobotany, on the regulation ability of plants as the indicator of the acidity amplitude of their natural incidence, on the qualitative proof of penicillin production in the research on fungi antibiotics, on the finding and age dynamics of Dictyocaulus (Micruracaulus) eckerti Skrjabin, 1931, a pneumohelminth of Cervus elaphus L. in the Tatra National Park, on the part played by insecta in the decay of Betula verrucosa Ehrh., on the relationship of complexon 3 to the distribution of calcium and phosphorus in bones and on other interesting subjects.

No. 10: This number contains faunistic, oecologic and zoogeographic comments on the mosquitoes of Slovenia (Jugoslavia), an article on the effect of izotiocyanates on bacterial dehydrogenases, comments on the bionomy of Hyphantria in its country of origin and on the methods of counting eosinophils in some experimental animals, especially in rabbits.

Bratislavské lekárske listy

Vol. XXXVIII — 1958. L. 8^o, issued fortnightly, 64 pp., tab., phot., (Sl, r, g, e, f), annual subscription
Rbl 41,— \$ 10,20 £ 3,12,10

No. 4. vol. II.: The journal deals with the virus of tick-borne encephalitis as a potential etiologic factor in chronic polyradiculoneuritis, with the question of seasonal incidence

**BIOLOGICAL AND
MEDICAL SCIENCES**

of tick-borne encephalitis, with advances in the examination of the gall bladder and of the extrahepatic biliary ducts, with the treatment of cancer of the urinary bladder by radium and isotopes and with antibiotics in the treatment of human brucellosis. Further, there is a contribution on the microdetermination of the total neutral 17 keto-steroids in the urine, and other medical news.

No. 5: This number contains the results of surgical treatment of mitral stenosis, comments on the therapy of coronary sclerosis, a contribution on the determination of the activity of radio-phosphorus solutions by the method of the defined space angle, articles on the standardization of results of Nikol's operation in habitual shoulder luxations, on epizootic of canicola leptospirosis in experimental dogs, on the significance of the identification of animal blood groups and on izotiocyanates as effective biological substances.

No. 6: The journal treats of new techniques of detecting iodized amino-acids on chromatograms, deals with the changes in plasma fibrinogen levels after large doses of salicylates in the experiment, with disorders in the metabolism of glycidic in patients with acromegaly, with the use of I^{131} in the diagnostics of functional and neoplastic diseases of the thyroid gland and with some problems in the evaluation of aldosterone elimination in the urine in experimental physiology and clinical treatment. Other articles discuss the treatment of thyreotoxicosis with reserpine, the treatment of polycythaemia with radioactive phosphorus, and the action of plant extracts of the genus *Brassica* on I^{131} absorption by thyroid gland in rats.

No. 7: Information is provided on some preventive measures in the fight against infantile tuberculosis in Slovakia, on the nutrition of children and nutritional hygiene in nurseries and kindergartens, on the medical care of children suffering from heart diseases (from the documents of the sanatorium in Sliač, Slovakia), and on the radio-logical treatment of tumours and haemoblastosis in children. Other articles deal with a special type of congenital non-spherocytic haemolytic anemia, with polycystic kidneys, with allergopneumonitis in a twenty-one month old child, and with extreme dilatation of the left auricle in children.

No. 8: In this issue there are articles on experimental pulmonary embolism caused by amniotic fluid or meconium, on experimental foetal erythroblastosis in rabbits with simultaneous acute haemolytic anaemia of the female, on the pathogenesis of embolism by amniotic fluid, on a lethal case of infectious mononucleosis, and on a rare, staphylococcal infection with lethal outcome.

No. 9: This number contains articles on the action of antibiotics on brucella organisms in vitro, on dental health of children and adolescents in Slovakia in 1955, on experiences with graduated anaesthesia in gastric resections, on the diagnostics and treatment of annular pancreas, and on the treatment of eclampsia post partum. The following articles deal with a rare case of isolated radial nerve paresis due to the luxation of capitulum radii in a newborn infant, with postradiation syndrome after the treatment of malignant diseases by ion radiation, with the enzymology of mycobacteria and the action of antitubercular substances on mycobacterial ferments, and with specific group agglutinins in the extracts of some plant seeds (phytoagglutinins).

**BIOLOGICAL AND
MEDICAL SCIENCES**

Neoplasma (Československá onkológia)

Vol. V — 1958. L. 8^o, issues quarterly, 96 pp., tab phot. (R, G, E, F, P, H), annual subscription

Rbl 19,60 \$ 4,90 £ 1,15

No. 3: In this issue the contributors deal with the connection between the karyoplastic action of experimental hypoxia and morphological changes of mitochondria, with clinical findings and cultivation experiences in a case of myeloblastic leukaemia with pluripotent properties of myeloblasts, with the effect of proliferative infectious process on the growth and course of tumours caused by 9-10-dimethyl 1-2-benzanthracene, and with the question of primary gastric lymphogranuloma. Other articles discuss the cytodiagnosics of bronchogenic carcinoma, the pre-operative and post-operative X-ray therapy of bronchogenic carcinoma, experiences with irradiation of bronchogenic carcinoma by the sieve method, results of treatment of bronchogenic carcinoma by three different irradiation methods, surgical treatment of bronchogenic carcinoma, the tasks of the bronchologist in the treatment of bronchogenic carcinoma, and the chemotherapy of advanced pulmonary tumours. Further, there are comments on direct post-operative treatment of pulmonary carcinoma, and comments on prospects in the treatment of the tracheobronchial strain.

AGRICULTURAL SCIENCES

PERIODICALS

Poľnohospodárstvo

Vol. V — 1958. L. 8^o, 6 issues annually, 208 pp., tab., phot., (Sl, r, g, e), annual subscription

Rbl 31,30 \$ 7,80 £ 2,11,9

No. 5: The journal contains articles dealing with the effect of hoeing on soya crops, with the effect of deep litter on the growth and development of chickens, with the research on sheep milking technique, and with the influence of erosion on pedologic and pedomorphological soil conditions. Other articles discuss special silages and their use for calves during breeding, the size, type and body structure of Huzul horses in Slovakia, and the calculation of fodder ration for milch cows by means of nomograms of fodder rations. In addition to that there is news, reports and a discussion column.

Veterinársky časopis

Vol. VII — 1958. L. 8^o, 6 issues annually, 104 pp., tab., phot., (Sl, r, g, e, j), annual subscription

Rbl 19,80 \$ 4,80 £ 1,14,—

No. 5: The journal provides articles on the influenza virus A Anatis (strain »Košice 956«) isolated from ducklings with respiratory disease, on the persistence of the tick-

**AGRICULTURAL
SCIENCES**

borne encephalitis virus in milk and dairy products, on some biological properties of the Hertfordshire and Lederle strains of the Newcastle disease virus, and on research on leptospirosis in pigs in Slovakia. Other articles discuss Hepatitis acuta in a horse caused by *Leptospira ballum*, the influence of antibacterial substances on the metabolic reactions of *Brucella* strains (the action of neomycin and of viomycin), the significance of economic microhaematocrits in determining the morphological characteristics of pig anaemia, clinical diagnosis and treatment of mastitis in cattle, intestinal lymphosarcomatosis in a pig, and a report on the activities of the State Scientific Veterinary Institute in Bratislava in 1957. Further, there is an article on potential thiamine deficiency in enzootic cerebrospinal disease in horses.

No. 6: This issue contains articles which demonstrate the contact of domestic animals with the tick-borne encephalitis virus in a natural focus of infection, articles on the endemic of Aujeszky's disease, on coxiellosis in Slovakia, on mucus disease in cattle, on rapid antiglobuline test on slides in serial examination for brucellosis, on veterinary-sanitary evaluation of poultry meat, on changes in the prothrombine level in the blood of cows during lactation and pregnancy, on the problem of abdominal hernias in cattle, and on the seasonal incidence of ticks in swampy woods on the banks of the Danube in Slovakia. There are also notes on a journey to France and Tunis.

Lesnícky časopis

Vol. IV — 1958. L. 8^o, 6 issues annually, 72 pp., tab., coloured phot., (SL, r, g), annual subscription
Rbl 15,20 \$ 3,80 £ 1,7,—

No. 4—5: The journal includes articles dealing with some question of forest production organisation, with hickory and its cultivation in forests, with individual types of auto-drums and the conditions of using them in loading wood, with the survey of the results of work in forestry in USSR during forty years, and with the correct use of statistical methods in forestry. Besides these, there are news and a report on an international conference on forest protection in Tharandt.

MATHEMATICAL AND NATURAL SCIENCES

PERIODICALS

Matematicko-fyzikálny časopis

Vol. VIII — 1958. L. 8^o, issued quarterly, 64 pp., phot., graphic tab. (SL, r, g), annual subscription
Rbl 19,— \$ 4,70 £ 1,13, 7

No. 3: The authors discuss comutative periodic semigroups, multiplicative semigroup of remaining classes, the problem of Euler's graphs, Emma Noether's theorems, and the theoretical solution of some tasks concerning powder materials.

**MATHEMATICAL AND
NATURAL SCIENCES**

Chemické zvesti

Vol. XII — 1958. L. 8°, issued monthly, 64 pp., phot., graphic tab., (Sl, r, g), annual subscription
Rbl 31,20 \$ 7,80 £ 2,15,9

No. 9: The articles included deal with derivatives of methyl-xanthines (II). 8-(p-carboxy-phenyl)-theophylline and 8-(p-carboxy-benzyl)-theophylline, with colourimetric determination of the end point of titration of tanning materials by the Löwenthal method, and with the physical properties of ethylen-glycol and its derivatives. The following articles discuss the reaction of alyl-alcohol with ammonium under raised temperatures, and the separation of higher fatty acids by paper chromatography, using changes of solvent concentration during the development.

No. 10: This issue contains articles on the crystallochemistry of polyvanadates, vanadium bronzes and V_2O_5 , on alkaloids from *Fritillaria meleagris* L., on the production of caustic magnesite from home raw materials, on the effect of activators on the process of vulcanisation, and on the action of zinc oxide on the vulcanisation process of mixtures with diphenyl-guanidin. Other articles deal with the polymerisation of tri-fluoro-ethylene initiated by gamma radiation, with the effect of penta-chloro-ethane on the rate and the polymerisation grade, with enzymatic oxidation of itaconic acid to ita-tartaric acid, and with the isolation of a new heart glycoside from the leaves of lily-of-the-valley (*Convallaria majalis* L.).

TECHNICAL SCIENCES

BENETÍN Ján

Pohyb vody v zemine

L. 8°, 216 pp., 107 ill., (Sl, r, g), p. c.

Kčs 16,—

The author has worked out complexly the question of the movement of water in soil. He analyses the effect of the degree of moisture and the temperature and chemical gradient on the ways of movement of free water and specifies relations for practical application. The capillary movement of water in soil is analysed in greatest detail, and instead of approximate values of effective capillary height which have been used up till now, there are introduced methods for the determination of the so-called substitute capillary height as well as relations for the calculation of capillary movement coefficient in any height of capillary rise of water in soil. Comments on the absorption of water by soil will be of practical use in the solution of hydrological and hydro-amelioration tasks.

The work is supplemented by references to the movement of water under the effect of moisture gradient, osmotic and electro-osmotic movement. These references will be of practical significance especially to architecture, but, at the same time, they also complete the general picture of the ways of movement of water in soil and how it is

**MATHEMATICAL AND
NATURAL SCIENCES**

influenced under natural conditions. Individual chapters contain the description of methods and equipment for determining the movement characteristics which will make possible the application of theoretical relations to practical life.

BOLF J., ČERMÁK Z., MEJZLÍK L., MAČÁK P., ŤAVODA O.

Nové metódy merania na priehradach

L. 80, 288 pp., 199 ill., (Sl, r, g), p. c.

Kčs 35,50

In the first part of the book the authors describe two new instruments for the exact measurement of deformations on a dam's body. Equally important for the control of general deformations is the hydrostatic nivellation which the authors analyse, and describe recently developed instruments enabling the achievement of high preciseness.

In the second part the authors deal with tensometric measurement in gravitation dams, describe measuring equipment, instructions for the working out of a measurement project and detailed directions for the installation of instruments and for the measurement itself. Further, they deal with the theoretical working out of results i. e. with transferring the measured deformations to the tension values.

The last part is devoted to the complex working out of the subject of static examination of dam constructions on models. The general system of measurement is presented, as well as the possibility of utilizing various methods and materials, especially a detailed analysis of model analogy. The book concludes with a description of two examples of model measurement carried out by the new methods.

BRILLA Jozef

Anizotropické steny

L. 80, 292 pp., 57 ill., (Sl, r, e), p. c.

Kčs 21,—

In this work the author deals with anisotropic wall constructions and anisotropy of bodies in the state of plane distortion. In the introduction he acquaints the readers with these problems and mentions where they are met with in practice and where and by which methods they were solved. He further states with which problems he deals in his work and what methods he uses in solving them.

Contents: Basic equations. Plane theory of the elasticity of anisotropic bodies. Rectangular walls. Elastic anisotropic semi-plane. Contact problems. Infinite walls loaded in an internal point. Infinite belt. High walls. Concentration. Elliptical and circular disc.

**MATHEMATICAL AND
NATURAL SCIENCES**

PERIODICALS

Zváračský sborník

*Vol. VII — 1958. L. 80, issued quarterly, 128 pp., phot., graphic tab.,
(Sl, r, g), annual subscription*
Rbl 20,80 \$ 5,20 £ 1,17—

No. 3: The journal includes articles on creep resistance steels, on alloys and their welding, on the properties of spot welded joints from steel with a low carbon content especially in alternate strain, and on the welding of Francis turbine wheels. Further, there is a survey of views on the study of morphology of σ -phase in steels 18 Cr — 8 Ni and 16 Cr — 13 Ni, an article on the thermodynamic deduction of the equation of self-regulation of a welding arc, as well as other articles on welding.

No. 4: This issue contains articles dealing with the effect of oxygen on the resistance and ageing of steel, with the application of creep resistant steels in energetics, and with the technology of production and welding of economic creep resistance austenitic steel MnCr (Ti) 17/7 — Czechoslovak state norms 17481. The following articles discuss the weldability of 12% Cr(Cr,W,Mo,V) steels, the weldability of ferritic-pearlitic steels and ferritic steels for the welding of rotors, and the question of welding on boiler parts.

Strojoelektrotechnický časopis

*Vol. IX — 1958. L. 80, 10 issues annually, 64 pp., phot., graphic tab.,
(Sl, r, g), annual subscription*
Rbl 32,80 \$ 8,20 £ 2,18,7

No. 7: The journal contains an article on the calculation of vibration systems by stream analogies, articles on the application of Navier — Stokes movement equations in draining paper pulp on a register apparatus, on the question of the maximum effectiveness of steel cutting, and on the stability of periodic vibrations of quasilinear systems. Further, there are articles on investigating tension by means of photoelasticimetric coatings, on the conception of mechanical impedance, on practical effects of controlling vibrations in the basis of a crane track, on injecting water into oil motors, on measuring the surface resistance of insulators, and on other problems.

No. 8: In this issue there are articles on some tasks of high frequency heating, on temperature compensation of a millivoltmeter with a thermistor, on the problem of transport costs of coal and electric power costs in Poland, on an instrument for drying tissues in a frozen state, and on silicon as a semiconductor. There are also reports dealing with speedy methods for determining the area of hysteresis loop, with a stabilizer of direct current, with an impulse regulator, and with ceramics for melting pure titanium.

Vol. VI — 1958. L. 80, 6 issues annually, 64 pp., phot., graphic tab.
(Sl, r, g), annual subscription

Rbl 16.80

\$ 4,20

£ 1.10

No. 5: In this issue there are articles dealing with the problems of prefabricated family houses, with some questions of production technology of welded reinforcement from steel broached under cold temperature, and with two storeyed tower frame.

Vol. VI — 1958. L. 80, issued quarterly, 96 pp., phot., graphic tab.,
(Sl, r, g), annual subscription

Rbl 13,20	\$ 4,40	£ 1.11.5
-----------	---------	----------

\$ 4.40

£ 1,11,5

74

- The Czech texts have been arranged by Jaroslav Limax who is responsible for this Edition, the Slovak texts have been arranged by Helena Chudíková*

for books delivered abroad are calculated on the basis of the rate of exchange of the country concerned, with the usual book-seller's discount

are negotiated through the Main Library of the Czechoslovak Academy of Sciences, Národní třída 3, Praha-Nové Město and the Central Library of the Slovak Academy of Sciences

will be sent on request free of charge. Apply to the Publishing House of the Czechoslovak Academy of Sciences, Vodičkova 40, Praha 2, Czechoslovakia.

March 1959

Publishing House
of the Czechoslovak Academy
of Sciences
Vodičkova 40
Praha 2

Publishing House
of the Slovak Academy
of Sciences
Klemensova 27
Pratislava

A 21698

ABBREVIATIONS

- p. c. — paper cover
h. c. — hard cover
* — out of print (for exchange only)
ČSAV — Czechoslovak Academy of Sciences
SAV — Slovak Academy of Sciences
CZ — written in Czech
cz — Czech summary
E — written in English
e — English summary
F — written in French
f — French summary
G — written in German
g — German summary
H — written in Hungarian
h — Hungarian summary
L — written in Latin
l — Latin summary
P — written in Polish
p — Polish summary
R — written in Russian
r — Russian summary
Sl — written in Slovak
sl — Slovak summary

Size (measured by the length of the back):

8⁰ — 15 to 20 cm

L. 8⁰ — 20 to 25 cm

4⁰ — 25 to 35 cm

The Czech texts have been arranged by Jaroslav Limax who is responsible for this Edition, the Slovak texts have been arranged by Helena Chudíková

We will send quotations
and all information on
request



PRAGUE

Czechoslovakia